

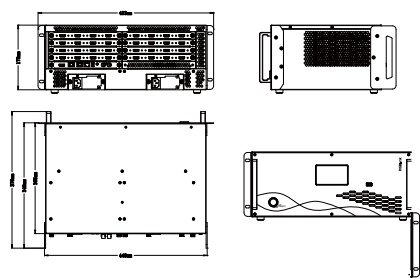
|                     |                          |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|---------------------|--------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------|-----------------------|--------|------------------------|--|--|
| Model               |                          | Q16pro Gen2 2U                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Q16pro Gen2 4U                               |         | Q16pro Gen2 8U        |        | Q16pro Gen2 14U        |  |  |
| Specification       |                          | 2U                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4U                                           |         | 8U                    |        | 14U                    |  |  |
| Input Slots         |                          | 3                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                            |         | 10                    |        | 20                     |  |  |
| Output Slots        |                          | 2                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                            |         | 10                    |        | 20                     |  |  |
| Shared Slots        |                          | nonsupport                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Output slot No.1~No.4                        |         | Output slot No.1~No.8 |        | Output slot No.1~No.18 |  |  |
| Interface           | Net Weight               | 5.83kg                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7.54kg                                       |         | 13.72kg               |        | 20.0kg                 |  |  |
|                     | Package Weight           | 9.25kg                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11.47kg                                      |         | 18.42kg               |        | 25.0kg                 |  |  |
|                     | Net Dimension            | 483.4x377x89mm                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 483.4x446x178mm                              |         | 488x370x355.6mm       |        | 485x310x560mm          |  |  |
| Physical            | Package Dimension        | 630x585x250mm                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 645x525x295mm                                |         | 585x460x520mm         |        | 665x525x495mm          |  |  |
|                     | Input Connectors         | Optional                                     | DVI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4xDVI-I (Compatible HDMI/DVI/VGA/YPbPr/CVBS) |         | DP 1.2   HDMI 2.0     |        | 2xDP   2xHDMI-A        |  |  |
|                     |                          |                                              | SDI (SD/HD/3G)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8xBNC (4 In   4 Loop)                        |         | H.265                 |        | 1xUSB   1xRJ45         |  |  |
|                     |                          |                                              | HDMI 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4xHDMI-A                                     |         | HDBaseT               |        | 4xRJ45                 |  |  |
|                     | Output Connectors        | Optional                                     | DP1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2xDP                                         |         | H.265                 |        | 1xUSB   1xRJ45         |  |  |
|                     |                          |                                              | DVI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4xDVI-I (Compatible VGA)                     |         | HDMI 2.0              |        | 2xHDMI-A               |  |  |
|                     |                          |                                              | HDMI 1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4xHDMI-A                                     |         | SDI (SD/HD/3G)        |        | 4xBNC                  |  |  |
|                     |                          |                                              | DANTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2xHDMI-A 1xRJ45 1xRJ45(backup)               |         | AUDIO                 |        | 4x3.5mm Audio          |  |  |
|                     |                          |                                              | STREAMING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1xRJ45 1xUSB3.0 1xType C                     |         |                       |        |                        |  |  |
|                     | Communication Connectors | Optional                                     | LAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1xRJ45                                       |         | LAN                   |        | 1xRJ45                 |  |  |
| PVW                 |                          |                                              | 1xHDMI-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              | H.265   |                       | 1xRJ45 |                        |  |  |
| Genlock             |                          |                                              | 2xBNC (1 In   1 Loop)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              | HDBaseT |                       | 4xRJ45 |                        |  |  |
| Connectors          | Input Resolutions        | Select from below or configure customized    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | HDMI 1.3 DVI                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | SMPTE                                        | 720x480p@60   720x576p@50   1280x720p@23.98/24/25/29.97/30/50/59.94/60   1920x1080i@50/59.94/60   1920x1080p@24/25/29.97/30/50/59.94/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |         |                       |        |                        |  |  |
|                     |                          | VESA                                         | 1024x768p@60/75/85   1280x800p@60   1280x1024p@60/75/85   1360x768p@60   1366x768p@60   1440x900p@60   1400x1050p@60   1680x1050p@60   1920x1080p@60   1920x1200p@60   1536x960@60   1840x960@60   1920x1152@60   1872x1152@60   Customized                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |         |                       |        |                        |  |  |
|                     |                          | HDMI 2.0   DP 1.2                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | SMPTE                                        | 480i@60   720x480p@60   576i@50   720x576p@50   1280x720p@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   3840x1080p@30/60   3840x2160p@25/30/50/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | VESA                                         | 640x480p@60/75/85   800x600p@60/75/85   1024x768p@60/75/85   1280x800p@60   1280x1024p@60/75/85   1360x768p@60   1366x768p@60   1440x900p@60   1400x1050p@60   1400x1050p@60   1680x1050p@60   1920x1080p@60   1920x1200p@60   2048x1152p@60   2560x1440p@60   2560x1600p@60   3840x2160p@25/30/50/60   Customized                                                                                                                                                                                                                                                                                                                                                                                               |                                              |         |                       |        |                        |  |  |
|                     |                          | 3G SDI                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | SMPTE                                        | 480i@60   720x480p@60   576i@50   1280x720p@50/59.94/60   1920x1080i@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |         |                       |        |                        |  |  |
|                     |                          | VESA                                         | 1920x1080p@60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |         |                       |        |                        |  |  |
|                     | H.265                    |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     | SMPTE                    | 720p@30/50/60   1080p@30/50/60   2160p@30/60 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     | Output Resolutions       | Select from below or configure customized    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | HDMI 1.3 DVI                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | SMPTE/VESA                                   | 1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@60   1360x768p@60   1366x768p@60   1400x1050p@60   1440x900p@60   1600x1200p@60   1680x1050p@60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   1920x1200p@60   2560x816p@60   2048x1152p@60   1536x960p@60   1840x960p@60   1920x1152p@60   1920x1200p@60   1872x1152p@60   2048x1152p@60   1536x1536p@60   2048x1080p@60   2304x1080p@60   2560x960p@60   3840x640p@60   3840x1080p@30   640x3840p@30/50   512x3840p@50   1152x1536p@60   Customized (VESA only)                                                                                                                                                                              |                                              |         |                       |        |                        |  |  |
|                     |                          | HDMI 2.0   DP 1.2                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | SMPTE/VESA                                   | 1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@60   1360x768p@60   1400x1050p@60   1440x900p@60   1600x1200p@60   1680x1050p@60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   1920x1200p@60   2560x816p@60   2048x1152p@60   2560x1440p@60   2560x1600p@60   3840x1080p@60   3840x2160p@50/59.94/60   4096x2160p@25/50/59.94/60   1024x768@60   1280x720@50/59.94/60   1280x800@60   1280x1024@60   1360x768@60   1400x1050@60   1440x900@60   1600x1200@60   1680x1050@60   1920x1080@23.98/24/25/29.97/30/50/59.94/60   1920x1200@60   2560x816@60   2048x1152@60   2560x1440@60   2560x1600@60   3840x1080@60   3840x2160@50/59.94/60   4096x2160@25/50/59.94/60   Customized (VESA only) |                                              |         |                       |        |                        |  |  |
|                     |                          | 3G SDI                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     |                          | SMPTE                                        | 1280x720p@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |         |                       |        |                        |  |  |
|                     |                          | Supported Standard                           | SDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3G                                           | H.265   | H.265                 | DVI    | DVI-1.0                |  |  |
|                     |                          |                                              | HDMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.0                                          | HDBaseT | 1.0                   | DP     | 1.2                    |  |  |
| Power               |                          | Input Voltage                                | AC 100V-240V, 50/60Hz (2U and above support dual PSU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |         |                       |        |                        |  |  |
| Working Environment |                          | Temperature                                  | 0°C~45°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |         |                       |        |                        |  |  |
|                     | Humidity                 | 15%~85%, RH                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     | Temperature              | 0°C~55°C                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |
|                     | Humidity                 | 5%~85%, RH                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |         |                       |        |                        |  |  |

Order Codes

| Product Code  | Item                                                    |
|---------------|---------------------------------------------------------|
| 710-2016-02-1 | Q16pro Gen2 2U (Communication Module with PVW Included) |
| 710-2016-04-1 | Q16pro Gen2 4U (Communication Module with PVW Included) |
| 710-2016-08-1 | Q16pro Gen2 8U (Communication Module with PVW Included) |
| 790-1002-10-1 | Q Series Quad HDMI 2.0 Input Module                     |
| 790-1002-32-1 | Q Series Single IP Input Module                         |
| 790-1002-33-1 | Q Series Dual HDMI 2.0 & Dual DP 1.2 Input Module       |
| 790-1002-34-1 | Q Series Quad 3G SDI (LOOP) Input Module                |
| 790-1002-35-1 | Q Series Quad DVI Input Module                          |
| 790-1002-44-1 | Q Series Dual HDMI 1.3 & Dual DVI Input Module          |
| 790-1002-46-1 | Q Series Quad HDBaseT Input Module                      |
| 790-2002-01-0 | 8-CH HDMI 1.4 Output Modules (8U Dedicated)             |

| Product Code  | Item                                                  |
|---------------|-------------------------------------------------------|
| 790-1002-28-1 | Q Series Quad Input & Quad Output Analog Audio Module |
| 790-1002-36-1 | Q Series Quad HDMI 1.3 Output Module                  |
| 790-1002-38-1 | Q Series Dual HDMI 2.0 Output Module                  |
| 790-1002-40-1 | Q Series Quad 3G SDI Output Module                    |
| 790-1002-41-1 | Q Series Quad DVI Output Module                       |
| 790-1002-45-1 | Q Series Streaming Output Module                      |
| 790-1002-43-1 | Q Series Dual HDMI 1.3 Output Module with Dante       |
| 790-1002-47-1 | Q Series Quad HDBaseT Output Module                   |
| 790-1002-50-0 | Q Series 16-Layer Quad HDMI 1.3 Output Module         |
| 790-1002-51-0 | Q Series 16-Layer Quad HDBaseT Output Module          |
| 790-1002-52-0 | Q Series 16-Layer Quad DVI Output Module              |
| 790-1002-53-0 | Q Series 16-Layer Quad 3G SDI Output Module           |
| 790-2002-21-0 | 8-CH HDMI 1.4 Input Modules (8U Dedicated)            |
| 790-1002-37-1 | Q Series Communication Module with PVW                |
| 950-0016-00-1 | Q Series 300W Redundant Power Module (for 2U)         |
| 950-1004-01-1 | Q Series 300W Redundant Power Module (for 4U)         |
| 950-0017-00-1 | Q Series 550W Redundant Power Module (for 8U)         |

Dimensions



HDMI HDCP™

Proudly designed and manufactured in Xiamen Hi Technology Zone, China  
WEB: [www.rgblink.com](http://www.rgblink.com) EMAIL: [sales@rgblink.com](mailto:sales@rgblink.com) PHONE: +86 592 5771197



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# Q16pro Gen2

Mediahub & Multiple Canvas Video Wall Processor





Q16pro Gen2 is a high-performance video image processing system and mixed signal MediaHub using pure hardware and leading-edge FPGA processing architecture. Offering a wide range of input and output signals based on module based structure, and supporting hot swap of modules, and options including redundant power supplies, Q16pro Gen2 is an industry leading platform that can be deployed in varied applications including corporate and virtual production studio with multiple content management The Q16pro Gen2 models allow connection of 4K In & Out including IP signals such as NDI and Dante, with outputs offering hybrid display management and multi-layer capabilities. The integration demanding features are built in to Q16pro Gen2, including EDID management, 3D image processing, and two seperate configurable OSD in high-definition resolution.

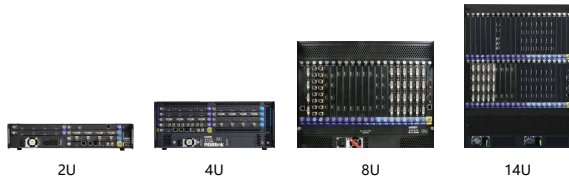
### Multi- Layer Multi-Window

Due to differences in the signal distribution capabilities, the HDMI, DVI, HDBaseT, and SDI output modules in 2U and 4U can achieve an 8+8 layer configuration. This means the latter 8 layers are replicated from the first 8 layers, though their size and position can be different. The 8U supports processing and outputting 16 completely independent signal sources, enabling true 16-layer overlay, roaming, and control.



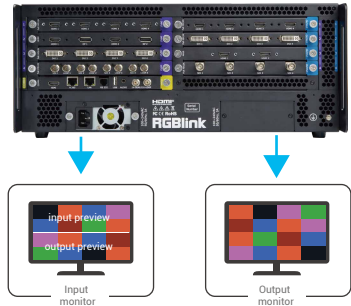
### Frame Sizes for Every Scale

Q16pro Gen2 models range from the compact 2U through to 14U with up to 80 inputs and 80 outputs with common modules across the range. Q16pro Gen2 is truly scalable for even the largest applications .



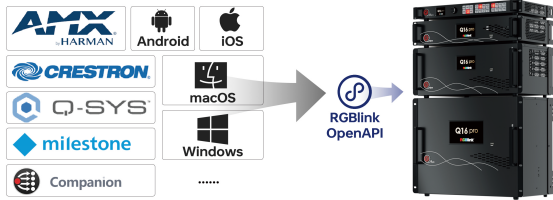
### Input and output preview

Equipped with 2 high-definition multi-screen monitoring output interfaces, it can monitor 16 input or 16 output at the same time. Among them, 16 input source preview supports 4/9/16 screen division.



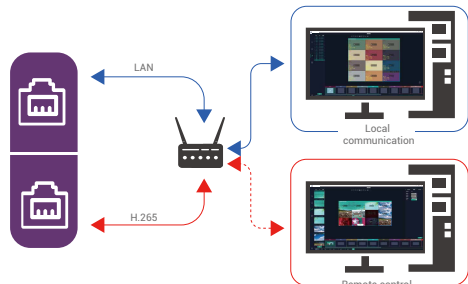
### Take Control

Configure and control Q16pro Gen2 devices from the acclaimed RGBlink XPOSE apps for cross platform desktop and mobile also 3rd party central control system.



### Dual network communication

Supports dual network communication: it has 1 local communication network port and 1 remote control port. In addition to remote control, the remote control port also has H.265 media remote control and monitoring functions.



### OSD Dynamic Titles

Customised text in almost any format can be overlayed on output displays. The facility supports static and dynamic arrangements including scrolling messaging.



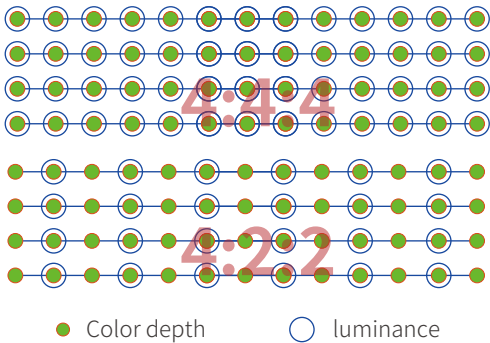
### 3D stitching

Scale and deliver 3D signals for 120Hz interpolated signals with internal frame-lock synchronization. Segmentation and fusion are completely seamless. Single key switching is available to transition between 2D and 3D on demand.



### Signal processing capability

The entire chassis input output and internal transmission are all 60 frames of RGB 4:4:4 signals. The signal supports 12bit processing, and the transmission rate of each channel can reach 5.9Gbps.



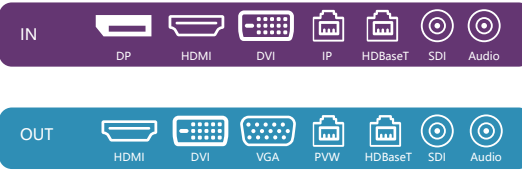
### High Performance Lossless 4K Processing

Q16pro Gen2 not only supports HDMI 2.0 and DisplayPort 1.2 4K@60 signals and is engineered end-to-end to maintain and enhance fidelity with full 4:4:4 maintained throughout. Utilizing advanced processing engine developed by RGBlink.



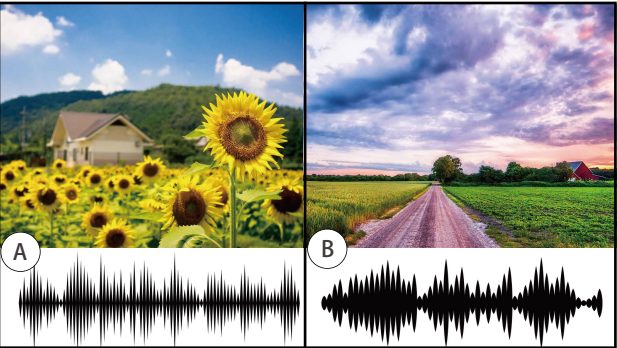
### Modular Hybrid Modules

The processor offers a range of input and output modules, with signals able to be mixed-and-matched to meet requirement without incurring overhead. Modules are easily user-fit lowering TCO and simplifying operations of Q16pro based installations.



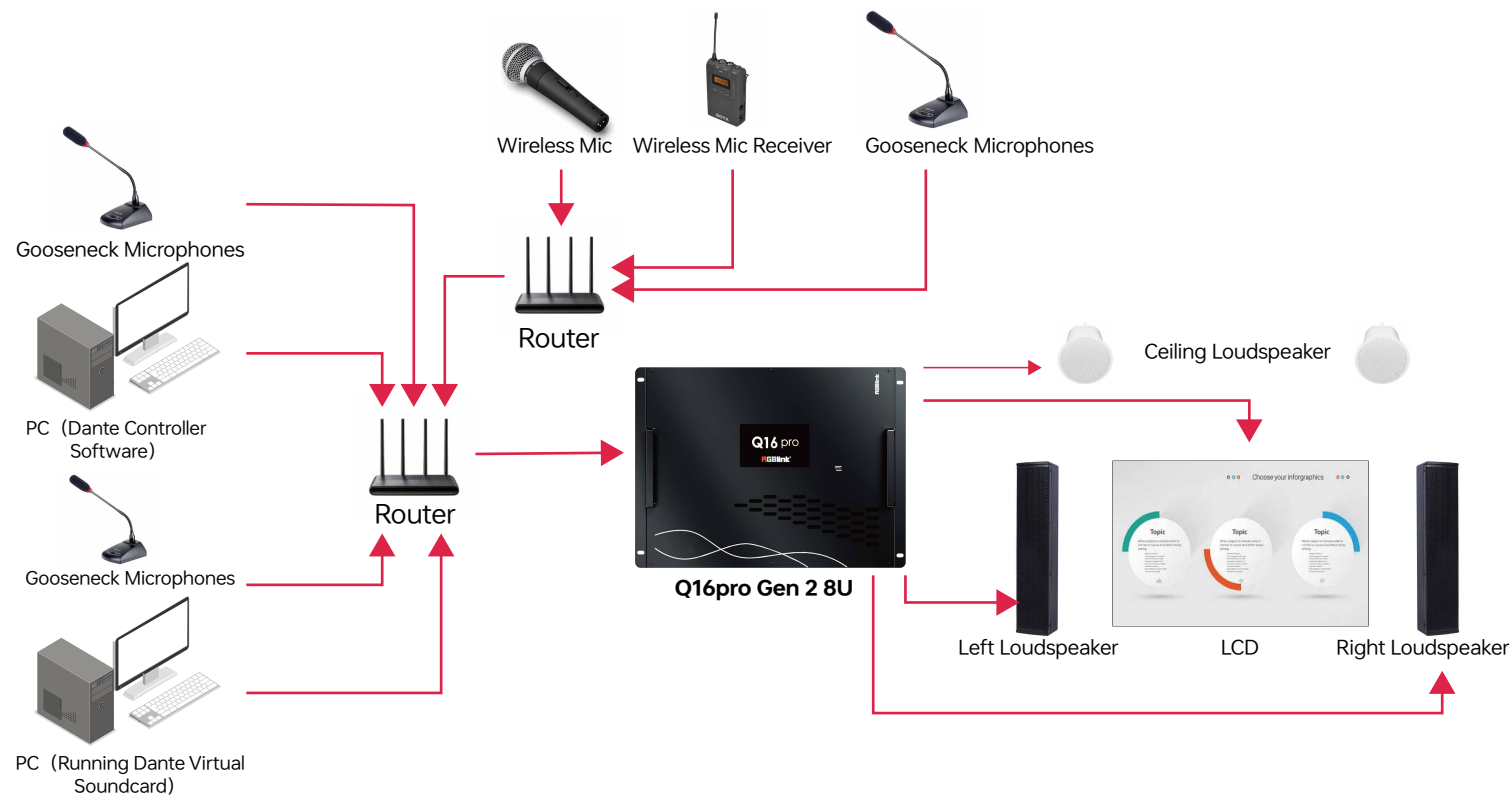
### Configurable Audio Delivery

Both embedded and external/insert audio sources may be embedded to any output as well as be switched as part of video presets.



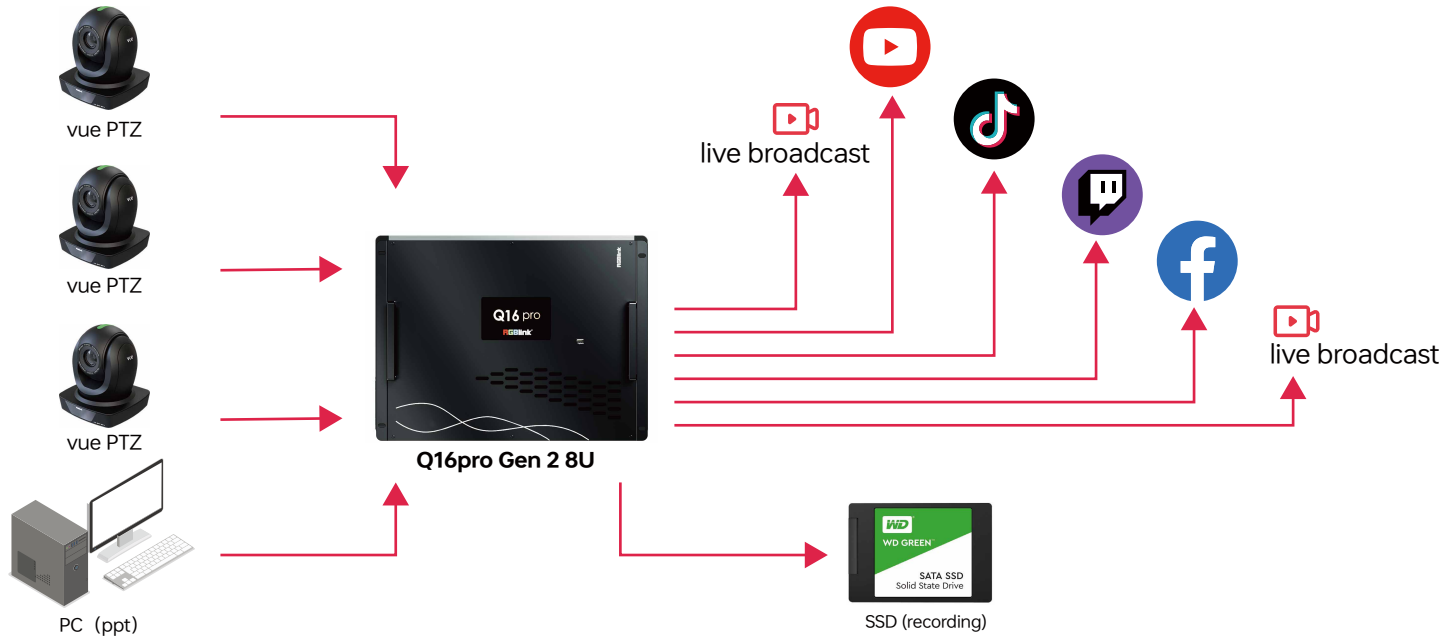
Dante audio codec

Independent design, simplify the connection, easy to install. Supports 32-channel audio input and output, transmits high-quality audio with low latency. Dante audio management platform, easily de-embedded audio signals, and flexibly responds to a variety of audio devices.



Multi-Platform Live Streaming Server (NDI)

Breaking through the traditional processor industry limitations, the new multi-platform live broadcast server to achieve full hardware distribution of live broadcasts, distributed hard disk recording and storage, to provide a more reliable live broadcast guarantee, to meet the needs of multi-platform live broadcasts, NDI non-destructive input and output, high quality and low latency, high-definition enjoyment, and live broadcasts are more stable.



Combined with programme map

