

## X20

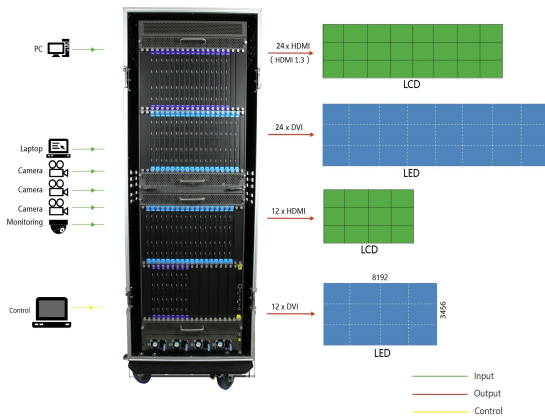
\*This document takes 28U as an example



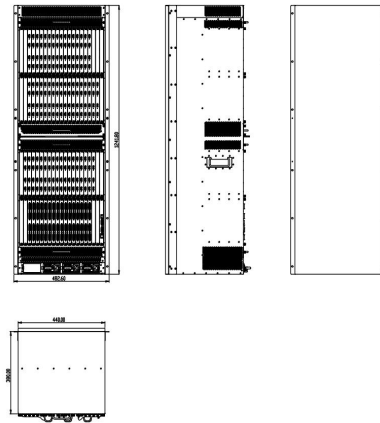
### Key Features

- Module based Input and output
- Up to 160 inputs and 144 outputs
- Each layer with support for scaling, moving, crossing , layer overlap/stacking
- Single port up to 4 layers based on configuration
- Output Static Image
- 4K@60 input and output supported
- Multiple H.265 streaming segmentations available
- Text Overlay
- Multiple banks save,load and auto loop
- Unified Management of Multiple Screens
- Remote Control via TCP/IP
- Signal Preview
- Redundant PSU
- Security/rights access control

### Application



### Dimensions



### Order Codes

| Product Code  | Item                                                    |
|---------------|---------------------------------------------------------|
| 310-0020-01-0 | X20                                                     |
| 190-0020-01-0 | HDMI 1.3 Input Module (with embedded audio)             |
| 190-0020-02-0 | HDMI 1.4 Input Module(with embedded audio)              |
| 190-0020-03-0 | HDMI 2.0 Input Module (with embedded audio)             |
| 190-0020-04-0 | DVI Input Module (with embedded audio)                  |
| 190-0020-05-0 | Dual-link DVI AV Input Module                           |
| 190-0020-06-0 | SDI Input Module (with embedded audio)                  |
| 190-0020-07-0 | VGA AV Input Module                                     |
| 190-0020-08-0 | CVBS AV Input Module                                    |
| 190-0020-09-0 | YPbPr AV Input Module                                   |
| 190-0020-10-0 | HDBaseT 2K Input Module (with embedded audio)           |
| 190-0020-11-0 | HDBaseT 4K Input Module (with embedded audio)           |
| 190-0020-12-0 | H.264 Streaming Decoding Module                         |
| 190-0020-13-0 | H.265 2K Streaming Decoding Module(with embedded audio) |
| 190-0020-14-0 | H.265 4K Streaming Decoding Module(with embedded audio) |
| 190-0020-15-0 | DP 1.1 Input Module (with embedded audio)               |
| 190-0020-16-0 | DP 1.2 AV Input Module (with embedded audio)            |
| 190-0020-17-0 | Fiber 2K Input Module (with embedded audio)             |
| 190-0020-18-0 | Fiber 4K Input Module (with embedded audio)             |
| 190-0020-20-0 | PVW Output Module (with embedded audio)                 |
| 190-0020-21-0 | HDMI 1.3 Output Module (with embedded audio)            |

\*AV:Analog Audio and Video

| Product Code  | Item                                         |
|---------------|----------------------------------------------|
| 190-0020-22-0 | HDMI 1.4 Output Module (with embedded audio) |
| 190-0020-23-0 | HDMI 2.0 Output Module (with embedded audio) |
| 190-0020-24-0 | Fiber 2K Output Module (with embedded audio) |
| 190-0020-25-0 | Fiber 4K Output Module (with embedded audio) |
| 190-0020-26-0 | DVI AV Output Module                         |
| 190-0020-27-0 | SDI AV Output Module                         |
| 190-0020-29-0 | HDBaseT 2K Output Module                     |
| 190-0020-01-1 | HDMI 1.3 Input Module                        |
| 190-0020-02-1 | HDMI 1.4 Input Module                        |
| 190-0020-04-1 | DVI Input Module                             |
| 190-0020-05-1 | Dual DVI Input Module                        |
| 190-0020-06-1 | SDI Input Module                             |
| 190-0020-07-1 | VGA Input Module                             |
| 190-0020-10-1 | HDBaseT 2K Input Module                      |
| 190-0020-13-1 | H.265 Streaming Decoding Module              |
| 190-0020-15-1 | DP 1.1 Input Module                          |
| 190-0020-17-1 | Fiber Input Module                           |
| 190-0020-20-1 | PVW Output Module                            |
| 190-0020-21-1 | HDMI 1.3 Output Module                       |
| 190-0020-24-1 | Fiber Output Module                          |
| 190-0020-26-1 | DVI Output Module                            |
| 190-0020-29-1 | HDBaseT Output Module                        |

## Specification

| Model         |                   | X20-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                       |           |           |           | X20-2                                                                                                                                                                                                                                                                                              |        |              |           |           |           |           |  |
|---------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------|-----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------|-----------|-----------|-----------|--|
| Specification |                   | 2U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4U                                                                    | 10U       | 16U       | 24U       | 2U                                                                                                                                                                                                                                                                                                 | 4U     | 8U           | 14U       | 20U       | 22U       | 28U       |  |
| Input slots   |                   | 2(1~2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3(1~3)                                                                | 9(1~9)    | 30(1~30)  | 40(1~40)  | 2(1~2)                                                                                                                                                                                                                                                                                             | 4(1~4) | 8(1~8)       | 16(1~16)  | 32(1~32)  | 32(1~32)  | 32(1~32)  |  |
| Output slots  |                   | 2(3~4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5(4~8)                                                                | 10(10~19) | 10(31~40) | 20(41~60) | 2(3~4)                                                                                                                                                                                                                                                                                             | 4(5~8) | 9(9~17)      | 18(17~34) | 18(33~50) | 18(33~50) | 36(33~68) |  |
| Shared slots  |                   | 2(3~4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5(4~8)                                                                | 10(10~19) | 10(31~40) | 20(41~60) | -                                                                                                                                                                                                                                                                                                  | -      | -            | -         | -         | -         | -         |  |
| Connectors    | Input             | 2-40 slots, support up to 160 inputs<br>Select from<br>DVI<br>Dual Link DVI<br>HDMI 1.3<br>HDMI 1.4<br>HDMI 2.0<br>SDI<br>VGA<br>DisplayPort 1.1<br>DisplayPort 1.2<br>Fiber(2K)<br>Fiber(4K)<br>HDBaseT (2K)<br>HDBaseT (4K)<br>H.265(2K)<br>H.265(4K)<br>H.264<br>CVBS<br>YPbPr<br>4xDVI-I<br>2xDVI-I<br>4xHDMI-A<br>2xHDMI-A<br>1xHDMI-A<br>4xBNC<br>4xDB15<br>2xDisplayPort<br>1xDisplayPort<br>4xLC<br>2xLC<br>4xRJ45<br>2xRJ45<br>2xRJ45<br>2xRJ45<br>4xBNC<br>4xDB15                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |           |           |           | 2-32 slots, support up to 128 inputs<br>Select from<br>HDMI1.3<br>HDMI1.4<br>DVI<br>Dual Link<br>SDI<br>VGA<br>DisplayPort1.1<br>H.265(2K)<br>HDBaseT(2K)<br>Fiber(2K)<br>4xHDMI-A<br>2xHDMI-A<br>4xDVI-D<br>2xDVI-I<br>8xBNC (4 In 4 Loop)<br>4xDB15<br>2xDisplayPort<br>2xRJ45<br>4xRJ45<br>4xLC |        |              |           |           |           |           |  |
|               | Output            | 2-20 slots, support up to 80 outputs<br>Select from<br>HDMI 1.3<br>HDMI 1.4<br>HDMI 2.0<br>Fiber(2K)<br>Fiber(4K)<br>HDBaseT (2K)<br>SDI<br>DVI<br>4xHDMI-A<br>2xHDMI-A<br>2xHDMI-A<br>4xLC<br>2xLC<br>4xRJ45<br>4xBNC<br>4xDVI-I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |           |           |           | 2-36 slots, support up to 144 outputs<br>Select from<br>HDMI1.3<br>Fiber(2K)<br>HDBaseT (2K)<br>DVI<br>4xHDMI-A<br>4xLC<br>4xRJ45<br>4xDVI-I(compatible with VGA)                                                                                                                                  |        |              |           |           |           |           |  |
|               | PVW (Preview)     | Optional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HDMI and IP(with Audio)                                               |           |           |           | 1xRJ45   2xHDMI-A                                                                                                                                                                                                                                                                                  |        | IP Streaming |           | 2xRJ45    |           |           |  |
|               | Communication     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Ethernet                                                              |           |           |           | 1xRJ45                                                                                                                                                                                                                                                                                             |        |              |           |           |           |           |  |
|               | Power             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 slots,support up to 4 power supply<br>Standard 2 PSU 1x IEC (each ) |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
| Performance   | Input Resolution  | SDI<br>SMPTE 720p@60   1080i@60   1080p@60<br>VGA   YPbPr<br>VESA 800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60<br>H.264<br>SMPTE 720p@60   1080p@60<br>H.265<br>SMPTE 720p@60   1080p@60   2160p@30<br>DVI   HDBaseT   Fiber<br>VESA 800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60   3840×2160@30<br>HDMI   DP<br>VESA 800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60   3840×2160@30<br>CVBS<br>SMPTE 480i   576i |                                                                       |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               | Output Resolution | SDI<br>SMPTE 720p@60   1080p@60<br>DVI   HDBaseT<br>VESA 800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60<br>Fiber<br>VESA 800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60   3840×2160@30<br>HDMI<br>VESA 800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60   3840×2160@30<br>H.264<br>720p@60   1080p@60                                                                                                                  |                                                                       |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               | Support Standards | HDMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.0                                                                   |           |           |           | SDI                                                                                                                                                                                                                                                                                                | 3G     |              |           |           |           |           |  |
|               |                   | HDBaseT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.0                                                                   |           |           |           | DP                                                                                                                                                                                                                                                                                                 | 1.2    |              |           |           |           |           |  |
|               | H.265             | ITU-T H.265/ ISO/IEC 23008-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                       |           |           | DVI       | Dual Link                                                                                                                                                                                                                                                                                          |        |              |           |           |           |           |  |
| Power         | Input Voltage     | 100V-240V 50/60-Hz automatically adjusted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                       |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               | Max Power         | 262-550W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
| Environment   | Temperature       | 0℃~40℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                       |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               | Humidity          | 10%~85%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
| Physical      | Weight            | Net                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 49.2kg                                                                |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               |                   | Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 115.1kg                                                               |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               | Dimensions        | Net                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 483mm×380mm×1242mm                                                    |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |
|               |                   | Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 680mm×550mm×1450mm                                                    |           |           |           |                                                                                                                                                                                                                                                                                                    |        |              |           |           |           |           |  |

\*20U and 22U are the same in slot numbers but different in cases

