Key Features

Hardware

- 8K or multiple 4K hardware decoding and rendering for smooth playback and flawless output
- EDID lock, ensuring output resolution unchanged
- High quality XLR audio outputs (L and R channels)
- Remote or central control via TCP/UDP protocol
- 2U rack mountable chassis
- Intelligent thermal solution
- Pass stress and stability tests
- Industrial ruggedized design

Interactive UI

- Fully-visualized and friendly graphical UI, what you see is what you get
- Customizable graphical UI layout
- UI lock for safer unattended operation

Performance

1. Capability
   a. Smooth playback of 1x 8K2K@60fps video or 2x 4K2K@60fps videos
   b. Unlimited layers and slices

2. Outputs
   a. 2x 4K2K@60Hz outputs via 2x HDMI 2.0 and 1x DP 1.2
   b. Three connector mosaic output support, with the mosaic width or height of up to 16384 pixels

3. Inputs
   a. 2x 4K2K@30Hz inputs via 2x HDMI 1.4
   b. NDI, streaming media and web page inputs

4. Audio
   a. XLR audio: 1x AUDIO OUT L, 1x AUDIO OUT R
   b. 1x 3.5 mm MIC IN, 1x 3.5 mm LINE IN, 1x 3.5 mm LINE OUT
   c. Formats: mp3, aac, flac, amr, ape, wav, wma, ogg

5. Control
   a. Built-in Pilot MS3 Pro Multimedia Playback Software
   b. Remote and central control via TCP/UDP protocol
   c. 1x HDMI 1.3 connector for software UI
   d. 2x USB3.0 on front panel, 2x USB3.0 and 2x USB2.0 on rear panel
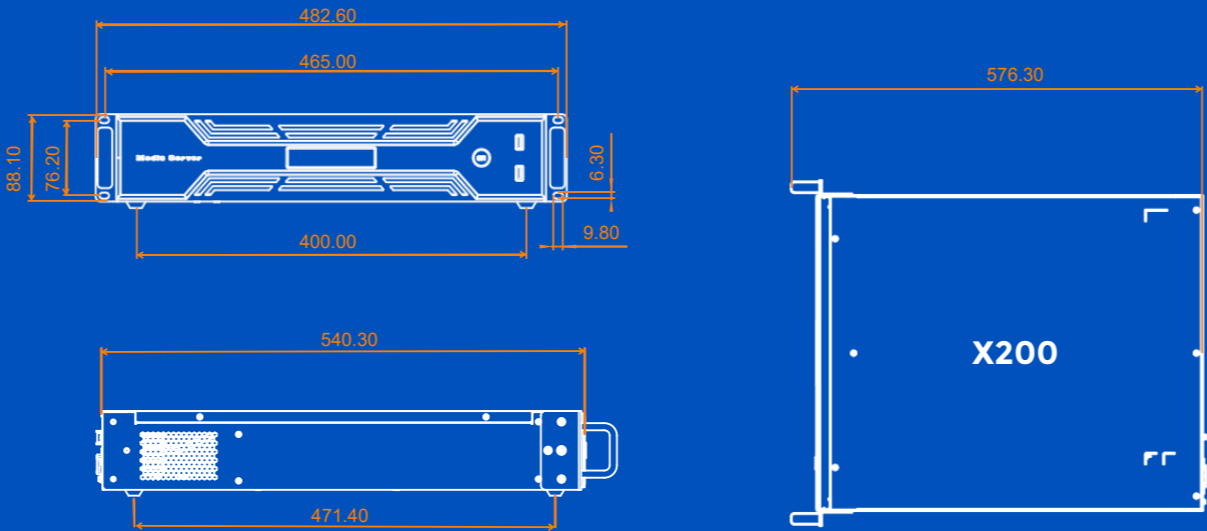
Software

- Separate live and pre-edit working modes, reliable support for live events
- Playback and real-time editing of all categories of media, including videos, pictures, audio, web pages, PowerPoint documents, acquisition devices and NDI inputs
- Various playback modes, including single program, single media, media collection, cross-program media and jump playback
- Unlimited layers and unlimited programs
- Innovative slices for diversified visual applications
- Visualized management of stage, timeline, programs, slices, various media, input sources and playback progress
- Flexible output segmentation, irregular slices, layer mapping, edge blending and super-large display and more, fully realize your creative ideas
- Tailor your UI instantly: Save and access layouts with ease
- Automatic software startup, restart, shutdown and program playback, bring intelligent unattended and automated management
- Auto preview and preview editing of next program
- Media optimization for better media performance
- Media image quality adjustment
- Media flipping, stretching, cropping supported
- Crossfade and cut effects on program switching
- Decoding of various mainstream video formats
- Output mapping and identification for clear screen and connector correspondence
- Project file management and packaging
- Peripheral control and shortcut management, and more powerful features on the way

Configuration

- HDMI 1.3 monitoring connector dedicated for software UI
- XLR audio outputs and 3.5 mm audio inputs and output
- HDMI input/output and DP output
- Multiple USB 3.0 and USB 2.0 connectors for mouse, keyboard and USB drives

Dimensions

482.60
465.00
400.00
88.10
72.30
6.50
9.80
540.30
471.40
576.30
X200

Physical Specifications

**Dimensions
(with handles, rack ears & rack mount)**
L482.6 mm x P 576.3 mm x H 88.1 mm
W 19.0 inch x D 22.7 inch x H 3.5 inch
Please refer to the dimension diagram for more details.

Product Net Weight
10 kg / 22.05 lbs (Fully loaded without accessories)
27.3 kg / 60.19 lbs (Fully loaded with accessories & flight case)

Electrical Parameters
Power connector: 100–240V~, 50/60Hz
Max. power consumption: 400 W

Noise on Average (typical at 25°C/77°F)
Front: 48.5 dB
Rear: 46.4 dB

Operating Conditions
Temperature: 0°C to 45°C
Humidity: 0% RH to 80% RH, non-condensing

Storage Conditions
Temperature: –10°C to +60°C
Humidity: 0% RH to 95% RH, non-condensing

Safety Compliance
CE, FCC, IC, CB, KC

Packing Information
- 1x Power cable
- 2x HDMI cables
- 1x DP cable
- 1x Keyboard and mouse suit
- 1x Label (Windows product key included)
- 1x Safety Manual
- 1x Certificate of Approval

Note:
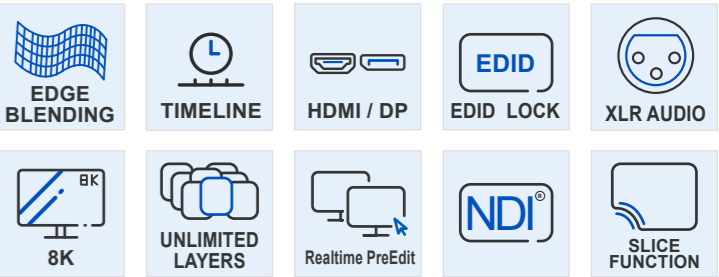Specifications subject to change without prior notice.

X200_EN-2025-03-07

Media Server

X200

X MARKS THE FUTURE

EDGE BLENDING | TIMELINE | HDMI / DP | EDID LOCK | XLR AUDIO
8K | UNLIMITED LAYERS | Realtime PreEdit | NDI | SLICE FUNCTION

imagine
beyond
reality

FEATURES

PIXELHUE

LED Wall   Still BKG

| 4K@60Hz | 4K@60Hz |

Controller   Controller

Presentation Switcher   Event Controller

2x 4K Outputs

Input

Output

Control

Media Server   PIXELHUE X200

Media File

Capture Card

NDI   Router

Pilot MS3 Pro
Professional Multimedia
Playback Software

Superior Performance

The X200 is a media server engineered by PIXELHUE. Equipped with Intel's latest-generation processor and high-performance server class motherboard, the X200 drives 2x 4K outputs from a single server unit.
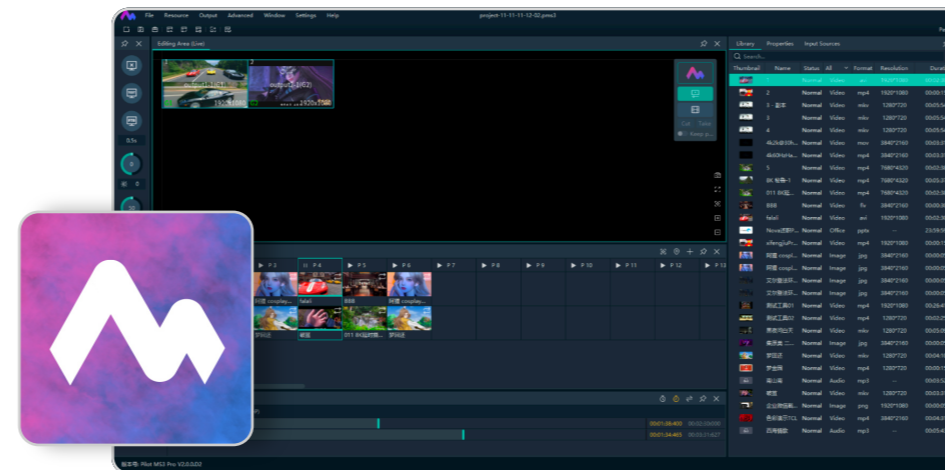
Built on the advanced graphics card to offer excellent hardware decoding and rendering capabilities, the X200 easily manages the decoding and rendering of 1x 8K2K or 2x 4K videos, ensuring smooth playback and perfect output quality. With support for a wide range of video decoding formats, the X200 media server becomes an ideal solution for video playback and processing in diverse applications, such as stage performances, conferences, immersive exhibitions and more creative display scenarios.

4K

CONTROL   USB   AUDIO   AUDIO   OUTPUT   INPUT

ON   OFF   ETHERNET   1   R   LINE IN   DP1.2   HDMI 1.4
                                  2   HDMI 2.0
                 CONTROL UI   3   L   LINE OUT   HDMI 2.0
100-240V~, 50/60Hz   4   MIC   HDMI 1.4

Pilot MS3 Pro

Unleash All Your Creativity & Elevate Your Experience

The X200 media server comes equipped with Pilot MS3 Pro multimedia playback software, perfect for bringing your creative ideas to life. It supports innovative slices, ultra-wide videos, and flawless pixel-to-pixel displays, enabling dazzling visual effects for spectacles or live events, and allowing you to fully unleash your

creativity. With features such as geometric correction, projector edge blending, and timeline management, along with live and pre-edit modes, unlimited layers and programs, program jumping and media collection playback, customized cross-program playback, image quality adjustments, and crossfade effects, you'll have powerful tools to easily and flexibly manage and control your event displays.

Professional Media Processing

The X200 media server offers first-class media processing capability and is capable of processing a wide variety of media and video streams.
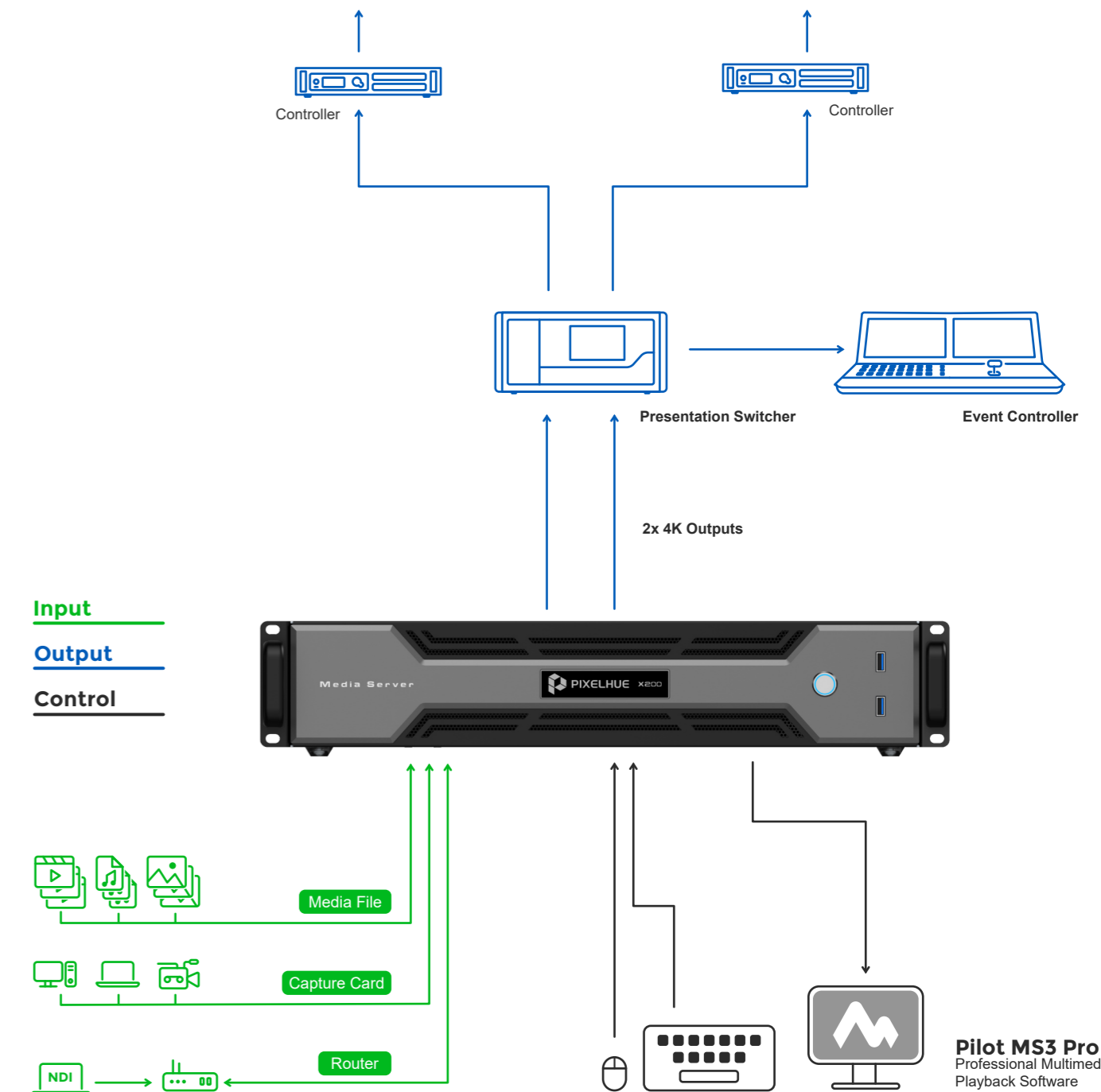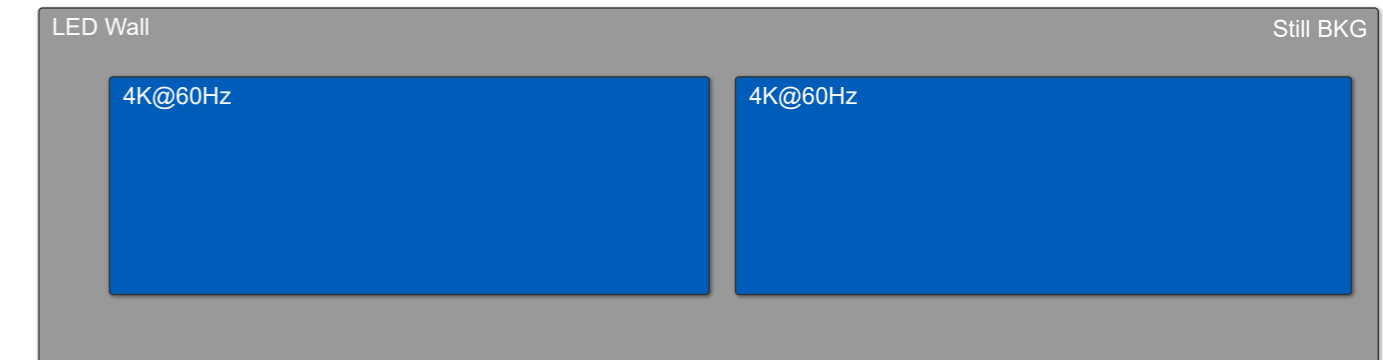
- H.263, H.264, H.265 (HEVC)
- VP6, VP7, VP8, VP9
- HAP, HAP-Alpha

- VC1AV1, AVS
- vProRes
- rv10, rv20, rv30, rv40
- WMV1, WMV2, WMV3
- MPEG1, MPEG2, MPEG4, MJPEG
- JPEG2000, JPEG, TIFF, BMP, GIF, PNG, PSD

UI Customized by Your Preference

Elaborate visualized design makes your operations convenient and the GUI can be customized by your preference. The media, inputs, layers, slices, real-time output preview and playback progress are all intuitive. You can see what the output will look like while the program is being edited. All our design considerations focus on shortening your learning curve and bringing you the maximum ease of use.