

4K 60Hz 16x16 Matrix Switch & Video Wall Controller

Model: PANIO CH1610K

Key Features

1. True 4K 60Hz Ultra HD Performance

- Supports resolutions up to **3840×2160 @60Hz** with full backward compatibility
- Crystal-clear visuals with 8/10/12-bit color depth and YCbCr/RGB color space

2. 16x16 Seamless Matrix Switching

- 16 HDMI + audio inputs & 16 HDMI + audio outputs for flexible signal routing
- 0-second seamless switching with no black screen interruptions

3. Multi-Screen Video Wall Integration

- Synchronized display across 16 screens (e.g., 7 independent displays + 3×3 video wall)
- Supports custom splicing configurations for immersive visual setups

4. Professional Audio Management

- 16 independent 3.5mm audio inputs/outputs for precise sound integration
- Seamless HDMI audio embedding/extraction

5. Versatile Control Options

- Dual RS-232 ports, TCP/IP network control, 10-key scene hotkeys
- Infrared remote, button controls, and dedicated mobile app

Technical Specifications

Parameter	Details
Model Name	CH1610K
Inputs	16×HDMI, 16×3.5mm audio
Outputs	16×HDMI, 16×3.5mm audio
Max. Input Resolution	4K @60Hz (3840×2160), backward compatible
Video Wall Output Resolutions	4K @60Hz/30Hz, 1080P, 720P, 1366×768 @60Hz
HDMI Cable Length Limit	10 meters (combined input + output)
Power	AC 110–240V, 50/60Hz
Dimensions	482×306×134mm (L×W×H)
Weight	4.5 kg

Package Contents

- 1× CH1610K unit
- 1× 10-Key Remote Scene Shortcut
- 1× Power cord
- 1× Infrared remote (battery not included)
- 1× RS-232 cable
- 1× Rack mounting accessories
- 1× User manual

Diagram



Important Notes

1. Use certified 4K 60Hz high-speed HDMI cables for optimal performance.
2. Non-certified switches/distributors may cause compatibility issues.
3. Contact technical support for system integration with third-party equipment.
4. For cable runs >10 meters, use optical HDMI cables for extension.