Konvision

KRM-802U

2×8 INCH DUAL-RACK 4K 12G-SDI MONITOR

Dual screen | IPS LCD | 290 nits | 900:1 Contrast | HDR Adaptive

12G SDI | HDMI 2.0 | 4K Signal | Scopes Display Single-screen | 3U Rack Mount



INTRODUCTION

The KRM-802U features 2×8-inch 1920×1200 FHD IPS panels in a 19-inch 3U standard rack-mount design. It supports HDR adaptive, with each screen equipped with 12G/6G/3G/HD/SD-SDI and HDMI 2.0 interfaces, supporting up to 4K 60P. It also supports simultaneous display of multiple scopes on one screen as well as single-screen display, delivering clearer scope images to effectively meet the high-end requirements of broadcast control rooms, OB vans, EFP and other scenarios.

HIGHLIGHTS

Advanced Display & Color Management

- Color spaces: Bypass/Rec.709/EBU/DCI-P3/DCI-P3 D65/Rec.2020
- Data level: Auto/Limited (64–940) / Extended (64–1019)/Full (0–1023)/SMPTE Full(4–1019)
- EOTF options: Bypass/2.0/2.2/2.4/2.6/2.4(HDR)
- HDR standards: ST2084PQ/ST2084 PQ(softroll), HLG(1.03/1.11/1.16/1.20/1.27/1.33)
- VPID(Video Payload ID)recognition for color space/EOTF auto matching
- Multiple color temperature options with user-defined adjustment

Input & Output

- Single-screen with 2×12G-SDI inputs and 1× loop-out, compatible with 6G/3G/HD/SD-SDI
- Single-screen with 1× HDMI 2.0 input, supporting up to 4096×2160P 60p
- Single-screen single-view supports up to 3×4K signal inputs, enabling quick switching and monitoring between signals

3D LUT

- 3D LUT calibration compatible with ColourSpace/Calman
- Supports multiple custom 3D LUTs loading

Monitoring Tools

- Supports HDR ratio analysis
- Waveform, vector, histogram, audio level meter, audio phase
- Supports single-screen scopes display, with main screen for picture monitoring, secondary screen for scopes monitoring
- Supports mirror and freeze frame
- False Color, Zebra, Focus Assist, Markers

Audio Processing & Broadcast Ancillary Features

- 16-ch embedded audio via SDI, 8-ch via HDMI
- Built-in speakers, 3.5mm headphone jack, mute settings
- VITC1/2, LTC timecode
- Static/dynamic UMD, supporting TSL3.1/4.0/5.0 protocols
- Supports 608/708 Closed Captioning (CC)

Mechanical Design & Operation

- Equipped with remote interfaces supporting Ethernet/GPI remote control
- Supports saving multiple scenes presets; F function keys for quick access to auxiliary tools
- "Screen select" key design, one set of keys controls multiple screens
- USB/Ethernet for LUTs loading and firmware updates
- Aluminum alloy chassis, built-in speakers, LED Tally indicator

SPECIFICATION

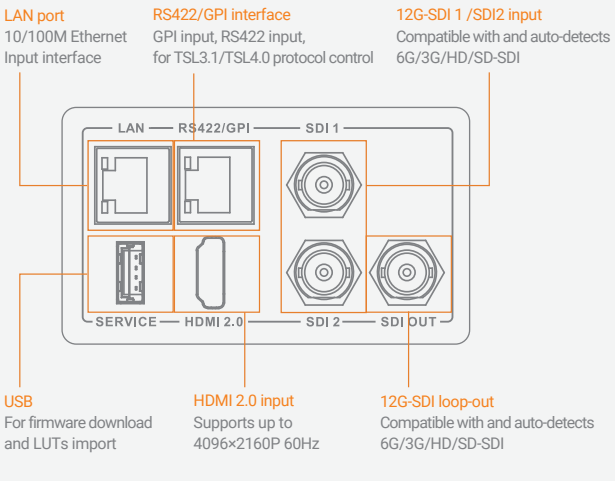
Panel	
Model No.	KRM-802U
Backlight	LED
Size	8" (single screen)
Resolution	1920×1200
Aspect Ratio	16:10
Viewing Angle	160°(H) / 160°(V)
Brightness	290cd/m²
Contrast Ratio	900:1
Color Depth	8bit 16.7 M
Input (Single Screen)	
2× BNC	12G/6G/3G/HD/SD-SDI (×2)
1× HDMI	HDMI 2.0 (×1)
Output (Single Screen)	
1× BNC	12G/6G/3G/HD/SD-SDI (×1)
Remote Interface (Single Screen)	
1×RJ45	10/100M Ethernet Input Interface
1×RJ45	GPI/RS422 input interface for TSL3.1/TSL 4.0 protocol control
Audio In & Out (Single Screen)	
Audio In	16-ch embedded audio via SDI, 8-ch via HDMI
Audio Out	3.5mm Headphone Jack, 1×3.0W Speakers
Audio Meter Display	transparent/opaque display
General	
Input Voltage	DC 12V / AC 100-240V (50/60Hz)
Power	≤35W
Installation	19-inch 3U standard rack mount
Net Weight	≈4.0kg
Accessory	Power Cord

*Specifications may be changed without prior notice.

FEATURES

12G-SDI/HDMI Interfaces with 3 × 4K Signal Inputs per Screen

Each screen is equipped with 2× 12G-SDI inputs with 1× loop-out and 1× HDMI input, supporting up to 4K 60P. The Fn key enables quick switching between sources (SDI-1, SDI-2, HDMI) for monitoring multiple images.



Wide-view IPS Panel, Dual-screen Display

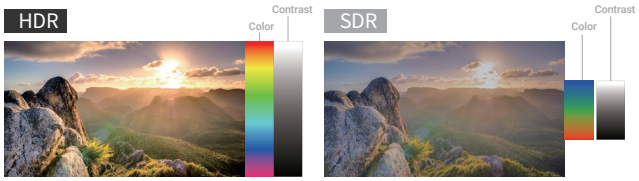
Features 2×8-inch IPS panels with 1920×1200 FHD resolution and 160° H/V viewing angles for clear picture quality.

3D LUT Color Calibration

Every Konvision monitor is factory-calibrated using our proprietary tetrahedral interpolation 3D-LUT technology. Fully compatible with Calman and ColourSpace, and calibrated with professional-grade instruments including the K10-A colorimeter and CR-300 spectroradiometer, each monitor delivers industry-leading color accuracy.

Supports HDR Adaptive for High-quality Image Reproduction

Supports High Dynamic Range (HDR) adaptive, delivering standard HDR EOTF for deeper contrast between light and dark, smoother color transitions, and enhanced image depth.



· HDR EOTF: HDR:ST2084 PQ/ST2084 PQ(softroll),
HLG (1.03/1.11/1.16/1.20/1.27/1.33)

Supports Standard Color Spaces with Built-in Camera Log Curves

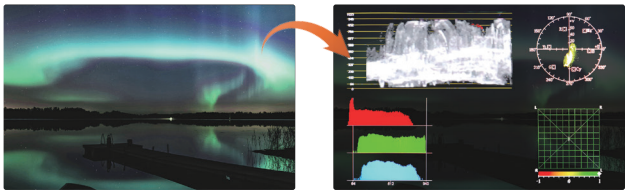
Supports ITU-standard color spaces including HD (Rec.709), UHD (BT.2020), and digital cinema (DCI-P3), with multiple EOTFs.

· Color space: Bypass/Rec.709/EBU/DCI-P3/DCI-P3 D65/Rec.2020
· EOTF: Bypass/2.0/2.2/2.4/2.6/2.4(HDR)
· Multiple Log curves: SONY S-log1/2/3, ARRI Log-C, Canon C-log1/2/3,
Panasonic V-log, DJI D-Log

Single-screen Scope Display: One Screen for Picture, One for Scope

Supports a single-screen scope display mode, with one screen for real-time picture monitoring and the other for simultaneous scope viewing. The scope does not overlap or interfere with the monitored picture, delivering larger, clearer scope images. This function is enabled via internal signal linking with no additional wiring, making operation simple.

Displays the corresponding scope for the picture without additional wiring



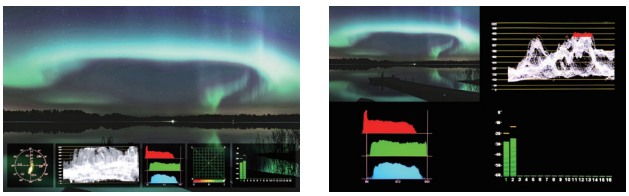
One Screen for Picture　　One Screen for Scope

Five scope types available: Waveform, Vector Scope, Histogram, Audio Level Meter, Audio Phase

Three display modes available: Normal, L-shaped, Quad-view

Supports Simultaneous Display of Multiple Scope images on One Screen for Assisted Evaluation

When both screens are needed for monitoring different pictures, each screen can bring up different scope images, visualizing color, brightness, audio and other information from the picture to assist in evaluating and adjusting image quality.



Screen 1: Normal mode　　Screen 2: Quad-view mode

Customizable 3D LUT Loading

Users can load and save multiple custom 3D LUTs via USB port, effectively simplifying the color grading process for DIT and post-production work.

Professional Image Analysis Tools



