

Matrox MaeveX 6020 Remote Recorder

Panopto-certified high-performance MaeveX 6020 Remote Recorder makes the world's easiest-to-use video platform even better

The Matrox® MaeveX 6020 Remote Recorder appliance is a Panopto™-certified multi-encoder/recorder specifically designed for—and fully integrated with—Panopto's industry-leading video management system (VMS). Leveraging the award-winning MaeveX 6100 Series multi-recording and streaming technology, the MaeveX 6020 Remote Recorder enhances the Panopto VMS solution by providing best-of-breed recording and live streaming functionality for businesses and universities.



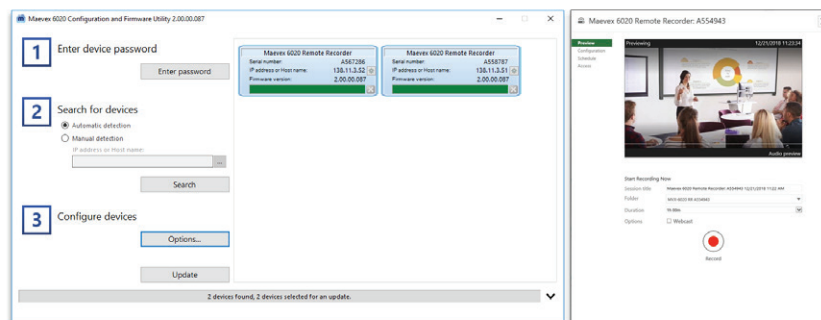
Multiple on-device recordings, dual live streams, and more

The MaeveX 6020 Remote Recorder provides unique features to the Panopto VMS. Key feature set includes two 1080p inputs with multiple on-device quality recordings per input and two channels of 1080p live streaming while recording. Unique to the MaeveX 6020 are the multiple recordings of different qualities recorded simultaneously to the device's solid-state memory and uploading while the session is in progress. These on-device multiple recording qualities can later be used to address the best-possible quality match for any viewing device. The recordings are encoded and ready for use as is without any quality loss or time loss (no transcoding, decoding, or re-encoding required). This workflow enables the video on demand from the event to be made available to viewers much faster, at the best quality possible.

When there are no active streams being broadcast, the two sets of recorded streams are delivered to the Panopto VMS simultaneously *during* the live event with only the slightest of lag from the start of the event as cloud transcoding is eliminated. If there are live streams being broadcast, the recorded streams are delivered immediately *after* the live streaming event ends, again with no cloud transcoding required. Additionally, in a single session, up to four sets of recordings (each set with multiple quality levels) and four Full HD streams can be enabled by combining two MaeveX 6020 devices.

Seamless integration, control, and monitoring - in any environment

For installers and administrators alike, the MaeveX 6020 has tremendous appeal for fundamental form, fit, and function. The standalone appliance is fully autonomous and requires no third-party or operating system control—presentations and scheduling will never be affected by an unexpected Windows® update, providing highest reliability. MaeveX 6020's 1U, ½ rack design—as little as a quarter of the size of other competing products on the market—plug-and-play setup, and discreet whisper-quiet operation make it the ideal installation for any campus, enterprise, conference room, or mobile application. MaeveX 6020 APIs enable additional customization options: control MaeveX 6020 devices via Crestron™, Kramer™, Extron™, and other tabletop touch-panel controllers in wider AV/IT ecosystems; and remotely monitor and retrieve status updates from all MaeveX 6020 appliances on the network.



MaeveX 6020 Configuration and Firmware Utility and Panopto cloud user interfaces.

Setup as easy as 1-2-3

Implementation and operation of the MaeveX 6020 Remote Recorder is simple as 1-2-3. Its superior hardware recording and streaming technology is completely integrated into the Panopto cloud video platform. Simply connect power, network, and video; power up; log in to the Panopto cloud account—and it's done. From there, the all-in-one Panopto VMS platform provides complete control and makes video management, recording, live streaming, inside-video searching, quizzing, analytics, mobile, and other features readily accessible. The front of the appliance also includes one-touch, easy-access button controls to record, pause, resume, and stop. For Panopto first-time users and seasoned professionals alike, the MaeveX 6020 Remote Recorder delivers a simple, best-in-class video capture and streaming experience for any academic or enterprise environment.



The Matrox MaeveX 6020 Remote Recorder is a purpose-built, dedicated Panopto encoder appliance that offers best-of-breed, multi-channel recording and streaming for enhanced live and on-demand video experiences in education and enterprise environments.

Technical specifications

Encoding & streaming

- H.264/MPEG-4 AVC encoding format
- Dual RTMP live streaming to Panopto
- Gigabit Ethernet operation
- Up to dual 1920x1080 live streams

Recording

- Simultaneous on-device multiple recordings for each input
- Primary input's maximum recording levels
 - 1920x1080
 - 1280x720
 - 960x540
 - 768x432
- Secondary input's maximum recording levels
 - 1920x1080
 - 1280x720
 - 960x540
- Integrated 256 GB solid state drive for 32 hours or more of continuous recording

Hardware details

- Part number: MVX-RR6020-P256
- Warranty: Standard 2 years. Extended warranty available up to 5 years (to be ordered at time of purchase).
- Power supply: External 12 VDC, 60 watts (~35 watts consumption)
- Certifications: FCC Class A, CE Class A, ACMA Class A, VCCI Class A, KC, ICES - 003 Class A, EU RoHS, China RoHS, REACH
- Dimensions (LxWxH): 8.53 x 7.52 x 1.68 inches (21.7 x 19.1 x 4.3 cm)
- Rack-mountable: 1U, 1/2R

Recommended accessories

- Rackmount kit: Sold separately (part number: RMK-19TR-A)
- Kuando™ Busylight UC Omega: Sold separately by Plenom. To purchase, please visit: matrox.com/graphics/kuando-busylight

Software

- MaeveX 6020 Configuration and Firmware Utility (free download)
 - Allows simple and easy connection to Panopto
 - Provides silent, centralized, optional firmware updates for MaeveX 6020 Remote Recorders
- MaeveX 6020 RS-232 API
 - Enables control of MaeveX 6020 appliances via Crestron™, Kramer™, Extron™ or other tabletop touch-screen controllers
 - Offers simple commands including start, pause, resume, extend, status, and reboot
 - Free download
- MaeveX 6020 REST API
 - Provides access to device status for all MaeveX 6020 appliances on the network
- Contact Matrox for details

NRG Redundant Power Supply

- NRG-5-1DB: Rack tray with one NRG RPSU pre-installed
- NRG-5-2DB: Rack tray with two NRG RPSU pre-installed

General I/O

- Inputs:
 - 2x HDMI (with LPCM stereo audio)
 - 2x 3.5 mm analog stereo audio
 - 1 Vrms (0 dBV)
 - 14.3 kΩ (gain = 0 db)
 - 1x 3.5 mm stereo mic in
 - 2.5 V
 - 1 Vrms (0 dBV)
 - 15 kΩ (gain = 0 db)
- Outputs:
 - 2x HDMI (zero latency pass-through)
 - 1x DisplayPort monitoring output (1920x1080) - with viewing options for input 1, input 2, or input 1 and 2 side by side
 - 1x 3.5 mm headphones out
 - 1.2 Vrms (1.6 dBV)
 - 32 mW into 32Ω
- RJ45 GigE LAN port
- 1x USB - front, 1x USB - back, with support for:
 - Kuando™ Busylight UC Omega
 - Last session file transfer
 - USB to RS232 cable for tabletop touch-screen controllers
- Push-button controls:
 - Button 1 (toggle): Local manual record start, and pause/resume any on-going session
 - Button 2 (single function): Local manual record stop
 - Button 3 (toggle): DisplayPort monitoring output (input 1, input 2, inputs 1 and 2 side by side)

Contact Matrox

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