

# REOVision

## Overview

REOVision is a flexible and dynamic video system. REOVision offers customers the scalability to take small and simple video needs to large and sophisticated enterprise video. REOVision is seamlessly integrated with Matrix V, offering customers the many benefits of applications inside the Matrix V portfolio, including Matrix V Security Manager and Matrix V Detect & Alert. By integrating with Matrix V, customers can realize a true, event-driven system architecture whereby automated security is enabled by linking real, live security-related events. Event video can be monitored in several ways. For those organizations with sophisticated monitoring needs, REOVision offers an array of algorithms and packaged solutions for everyday security challenges such as, objects entering an area or object leaving an area.

## Configuration

REOVision's powerful configuration options enable administrators to design simple and straightforward systems, or expansive and sophisticated solutions tailored to their specific needs. Camera resolution support high resolution 4CIF (D1) real time (PAL: 704\*576, NTSC: 704\*480) quality. An array of frame rates are available, and are dependent on video capture modules with H.264 compressions. REOVision also offers several recording, extended storage and monitoring options. Customers can record in continuous, time-lapse, event-driven, and store that video on industry-standard, off-the-shelf hardware, including Direct Attached Storage (DAS) & Network Attached Storage (NAS). Once video is set up, it's time to monitor it. REOVision offers several options for viewing, including through Matrix V Security Manager, REOVision Playback, Remote Manager. REOVision lets you build your video system with our software.

## Event-Driven Solution

For every aspect of a video system, alarm event conditions drive the solution. PTZ on event. Auto-launch on event. Record on event. Monitor events. Investigate events. Archive event video. REOVision is the event-driven solution.

### Support

#### Resolution:

- 4CIF(D1) real time (PAL: 704\*576, NTSC: 704\*480)

#### Multiple Frame Rates:

- Up to 25, depending on recorder device

#### Compression:

- H.264

#### Recording Options:

- Analog video input
- Continuous
- Time-lapse
- Event-driven

#### Extended Storage Options:

- Direct-Attached Storage (DAS)
- Network Attached Storage (NAS)

#### Monitoring Options:

- Integrated monitoring
- REOVision Playback
- Remote Manager

#### Event Options

- PTZ on event
- Auto-launch on event
- Record on event (Pre & Post)
- Monitor events
- Investigate events
- Archive event video

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## Monitoring

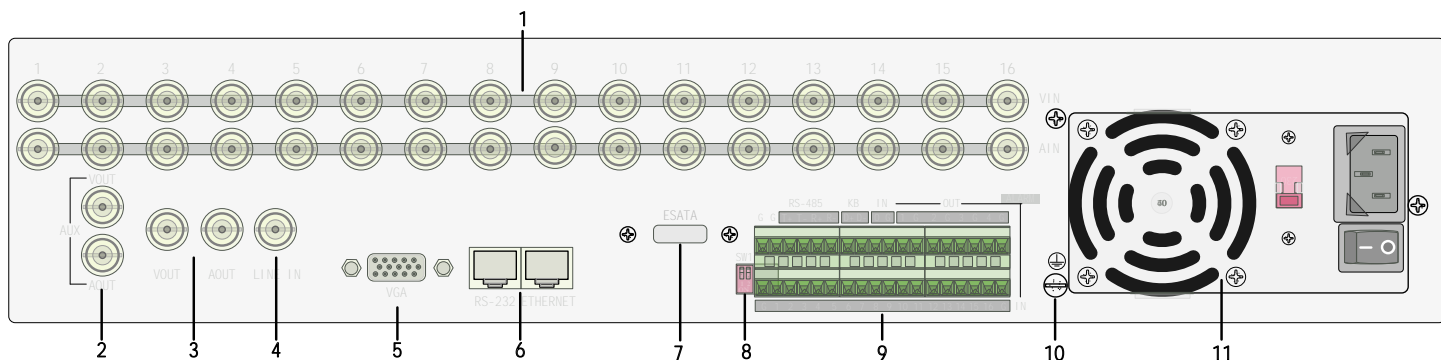
Matrix V leads the industry with the most robust monitoring application available. Matrix V Security Manager with Detect & Alert communicates the status of video recorders and network cameras, illustrates alarm location with the use of multimedia graphical maps, and enables operators with in-view PTZ control, auto-launch of video on alarm and camera touring. Matrix V also offers users a variety of monitoring interfaces, from the Remote Manager to Matrix V Security Manager. No matter what the monitoring requirement is, Matrix V has an interface to match.

## Stand-alone Digital Video

Customers looking for stand-alone digital video recorders can use an Elid video recorder with the REOVision configurations. Customers can take the single stand-alone video recorder and add Matrix V's robust Security Manager, as well as countless software options. For customers expanding an existing analog environment by upgrading to a REOVision DVR, Elid video recorders offer the flexibility to initiate an integrated security architecture by focusing on stand-alone digital video, then expanding the system when the time is right.



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1. VIN video input interface, AIN audio input interface;
2. AUX VOUT auxiliary local video surveillance interface, AUX AOUT auxiliary local audio surveillance interface;
3. VOUT local surveillance interface, AOUT local monitoring interface;
4. LINE IN voice talk input interface;
5. VGA display output interface;
6. RS-232 serial interface, ETHERNET network interface;
7. eSATA backup/ storage extension interface (optional);
8. RS-485 match resistor switches;
9. RS-485 serial interface, keyboard interface, ALARM IN alarm input, ALARM OUT alarm output module;
10. Grounding terminal;
11. Power: 110/220V AC.

<b>Model name</b>	<b>EO-CF16-002</b>
<b>Video compression</b>	H.264
<b>Preview resolution</b>	4CIF real time (PAL: 704*576, NTSC: 704*480)
<b>Playback resolution</b>	CIF/QCIF real time
<b>Video input</b>	16 BNC (1.0Vp-p, 75Ω)
<b>Main video output</b>	1 channel, BNC (1.0Vp-p, 75Ω)
<b>Aux video output</b>	1 channel, BNC (1.0Vp-p, 75Ω)
<b>Frame rate</b>	PAL: 1/16—25FPS, NTSC: 1/16—30FPS
<b>Stream type</b>	Video/ Video & Audio
<b>Max bit rate</b>	32Kbps--2Mbps, self-define
<b>Audio input</b>	16 BNC (2.0Vp-p, 1kΩ)
<b>Main audio output</b>	1 channel, BNC (Linear Electrical Level, 600Ω)
<b>Aux audio output</b>	1 channel, BNC (Linear Electrical Level, 600Ω)
<b>Audio compression</b>	OggVorbis, 16Kbps
<b>Voice talk</b>	1 channel, BNC (Linear Electrical Level, 1KΩ)
<b>Communication interface</b>	1 RJ45 10M/100M Self-adaptive Ethernet Interface 1 RJ45 RS232 Port
<b>RS-485 Port</b>	1 Port (T+, T-, R+, R-)
<b>Keyboard interface</b>	1 Port (D+, D-)
<b>SATA interface</b>	8
<b>USB interface</b>	1 USB interface, USB1.1, can support USB flash memory, USB HDD and USB CD-R/W
<b>VGA interface</b>	1 VGA interface, support resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz
<b>External alarm in</b>	16
<b>Relay output</b>	4
<b>Power supply</b>	100~240VAC, 6.3A, 50~60Hz
<b>Power consumption</b>	20—42W (without HDD and CD-R/W)
<b>Working temperature</b>	-10℃--+55℃
<b>Working humidity</b>	10%--90%
<b>Size</b>	19" Standard (450mm*450mm*95mm)
<b>Weight</b>	≤8Kg (without HDD and CD-R/W)