

RODEO GRANDE™

VIDEO RECORDER



**Maximum performance and features
for the most demanding requirements**

APPLICATIONS

Multi-Camera Motion Recording

Volumetric Video Capture

4D Face/Body Scanning

Athletic Motion Recording

Test Range Recording

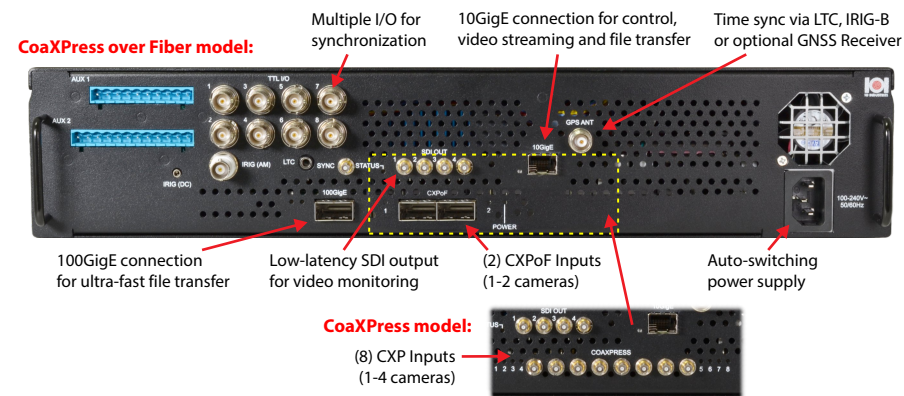
Industrial Troubleshooting

FEATURES INCLUDE:

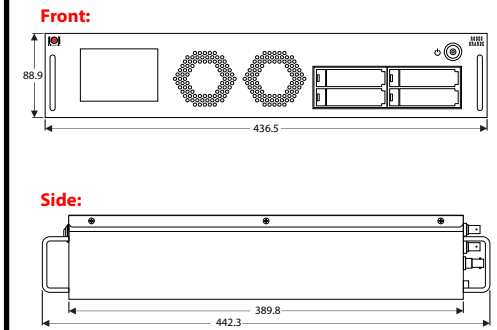
- Lossless full-speed recording from up to 4 video cameras
- Supports CoaXPress (copper or fiber) cameras from IO Industries and other manufacturers
- Precise time-stamping from PTP, IRIG-B, GPS and other sources
- Control over 10 Gigabit Ethernet (copper or fiber)
- Internal SSD media, up to 61.4TB capacity (removable)
- Low-latency, live SDI video output
- H.265 streaming video with multicast capability for low-latency live video monitoring
- Interactive software for PC-based control with SDK for custom integrations
- Full color LCD status display



REAR VIEW



MECHANICAL DIAGRAMS

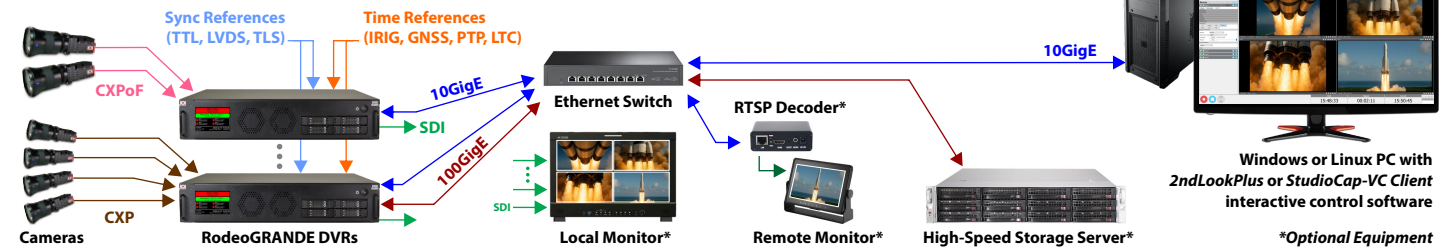


Video Input	CoaXPress over Fiber video from up to 2 cameras via QSFP+ connections (rates up to 4xCXP-12 per camera); or CoaXPress video from up to 4 cameras via single/dual/quad-link HD-BNC connections (rates up to 4xCXP-12 per camera)
Internal Recording	Lossless-compressed RAW recording to removable solid-state storage (4x SSDs required, up to 61.4TB total capacity).
10 Gigabit Ethernet	Enable DVR/camera configuration, recording control, live/playback video streaming (uncompressed or hardware-encoded), and high-speed file transfer. SFP+ port supports optical fiber or copper 10GigE cabling.
100 Gigabit Ethernet	Secondary network interface for ultra-fast file transfer. QSFP28 port supports optical fiber or copper 100GigE cabling.
PTP Synchronization	IEEE1588 Precision Time Protocol can be used for frame timestamping and camera synchronization
IRIG Input	Integrated timecode receiver for IRIG AM or DC signals
GNSS Receiver	Optional GNSS (GPS and GLONASS) receiver for frame timestamping, position logging and camera synchronization.
SMPTE LTC Input	LTC reference can be used for frame timestamping and camera synchronization
SDI Video Output	Live video monitoring via 12G/6G/3G/HD-SDI, supports UHD/HD up to 60fps
Tri Level Sync Input	SMPTE HD sync reference can be used for camera synchronization
Additional I/O	TTL (16 bidirectional inputs/outputs) and LVDS (1-in, 1-out) for interaction with nearby devices, recording control, etc.
Control Software	IO Industries 2ndLookPlus or StudioCap-VC software, or custom-developed application using SDK (MS-Windows/Linux).

Mechanical/Electrical

Dimensions / Weight	436.5 mm (W) x 88.9 mm (H) x 442.3 mm (D), 8.9 kg
Power Requirements	100-240V AC, 50/60Hz, 85W (typical; depends on model and installed media, excludes PoCXP power for CXP cameras)
Operating Temperature	0°C to 50°C, 20-85% humidity (non-condensing)

SAMPLE CONFIGURATION



ORDERING

Part Number	Description
RODEOGRANDECQ	DVR, RodeoGRANDE, CoaXPress 2.0 over Fiber, dual QSFP+ inputs, records 1 or 2 cameras, U.2 media ejectable
RODEOGRANDECX	DVR, RodeoGRANDE, CoaXPress 2.0, CXP-12 x 8 inputs, records 1 to 4 cameras, U.2 media ejectable
2NDLOOKPLUS5YR	Embedded 2ndLookPlus license (5yr maintenance). Each unit separately licensed. Includes StudioCap-VC license (5yr maintenance).
VIDIOMODxxxxxU2	VidIO Drive Module, U.2, various capacities (xxxxx = 3840, 7680, 15360). 4 same-capacity drives required per RodeoGRANDE.
ACPWRCORDxx	IEC C13 AC power cord, various cord types (xx = EU, UK). North American cord included with RodeoGRANDE.
-Gxx	Optional internal GNSS receiver. Append to part number above eg. RODEOGRANDECQ-G03. See separate GNSS datasheet for details.
RACKSHELF2U	2U 19 inch Rack Shelf for (1x) RodeoGRANDE or (3x) RodeoPLUS

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Specifications subject to change without notice