

# Nexxis RNA

## Rugged Network Adapter for desktop-over-IP in critical environments



Barco's Nexxis RNA series provides Rugged Network Adapters to encode and decode desktop content (video, audio, USB) to and from standard IP streams, enabling collaboration and recording in multi-user environments.

### Real-time collaboration

High-quality audio, video, and other data can be shared over IP with sub-frame latency, supporting real-time interaction with remote servers.

### Designed for defense-critical applications

Barco's Nexxis RNA adapters are MIL-STD qualified. They also feature advanced failover configurations and built-in monitoring mechanisms to ensure continuous system availability.

### Flexible configuration

The RNA adapters are highly flexible and can be configured as a decoder, encoder, or both. They support simultaneous streaming of uncompressed and compressed data. Two RNA adapters can also be packaged in a 1U rackmount unit for easier integration into server racks.

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## Smart visualization

The RNA decoders allow real-time compositing of multiple high-resolution sources per output display, enabling smarter visualization of data to improve decision-making in a time when information overload is an increasing problem.



**Product specifications****Nexxis RNA**

<b>Streaming video standards</b>	IETF RFC4175 (uncompressed) IETF RFC3984 (H.264)
<b>Graphics</b>	2x DVI-D inputs 2x DVI-D outputs
<b>Resolutions and frame rates</b>	Up to 2560x1600, 60 Hz
<b>Input devices</b>	1x USB type B to host 4x USB type A to HMI devices
<b>Audio</b>	2x Line-in / Line-out 1x Mic-in 1x Headset out
<b>Safe pass-through</b>	DVI, Audio, USB
<b>GPIO</b>	2x discrete inputs 2x discrete outputs
<b>Network connection</b>	2x 10GBASE-SR or 1000BASE-T 1x10/100BASE-T for maintenance
<b>Dimensions (HxWxD)</b>	DC version: 41 x 207 x 272 AC version: 52 x 207 x 272 (excluding AC MIL connector)
<b>Weight</b>	DC version: 2.5 kg AC version: 3 kg
<b>System availability</b>	Failover modes Built-in monitoring (I/Os & network faults) MTBF: Naval Sheltered typ. 20000h @ 25°C
<b>Setup/control</b>	Control API via HTTP or XMPP interface Configuration via web service
<b>Power</b>	12 VDC 100-240 VAC autorange, 50/60Hz Power consumption: 45W (typical)
<b>Shock</b>	MIL-STD-810G 30g/12.5ms
<b>Vibration</b>	MIL-STD-167-1 Sinusoidal (operating and non-operating) 5-20 Hz: 1.27 mmp (0.05" p) 20-2000 Hz: 2 g
<b>EMI / EMC</b>	MIL-STD-461F navy ships (below deck)
<b>Temperature</b>	MIL-STD-810G Operating: 0-50°C Storage: -40-+70°C
<b>Humidity</b>	MIL-STD-810G 95% @ 40°C non condensing
<b>Drip proof</b>	MIL-STD-810G Up to 45°
<b>Altitude low pressure</b>	MIL-STD-810G Operating up to 25,000 ft Non-operating up to 40,000 ft
<b>Certification and compliance</b>	FCC-A, EN 55022/24, IEC 60950 (CE), EU RoHS, EU REACH