



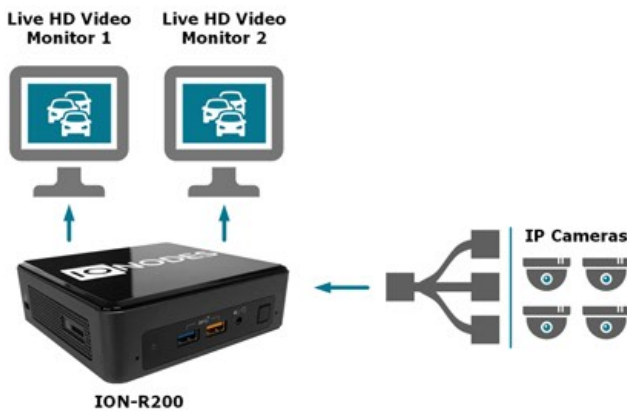
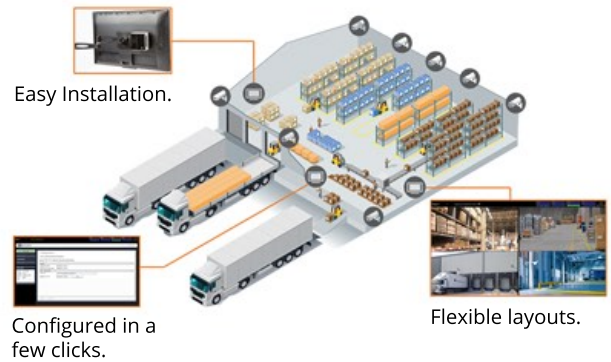
ION-R200

Dual Monitor Secure Display Station

The ION-R200 is a dedicated fanless & compact video wall appliance designed specifically for use with any H.264/MJPEG video source such as IP cameras and encoders. The ION-R200 is capable of decoding H.264 streams at resolutions up to 4K for display on two HD monitors (HDMI). The device is capable of simultaneous decoding and display of up to 32 IP video streams.

Features

- Ultra compact design / VESA mount
- Dual monitor (HDMI + USB-C (DP))
- Onvif camera discovery & RTSP source support
- Low Power Consumption
- Supports up to 32 IP cameras / encoder sources
- High performance hardware video decoding
- Layouts from 1 x 1 to 4 x 4, per monitor
- Supports up to 5 user configurable static views
- Supports up to 4 user configurable view sequences
- Supports web tiles for embedding external content



A secure way to display live video

The ION-R200 Secure Display Station can deliver live video on a variety of monitors without the cost, complexity and security risk of a client workstation. This is ideal in public areas, warehouses and in remote sites or facilities with no trained security staff.

Built to last

The ION-R200 is designed using the highest quality components and a software environment built from the ground up to offer a simple, yet robust user experience. The ION-R200's robust embedded software environment ensures consistent and reliable operation even after power outages.



ION-R200 Specifications

Dual Monitor Secure Display Station

System

Network	1 x 10/100/1000 Base-T Ethernet port(s) RJ45 1 x 802.11ac WiFi
USB	4 x USB 3.1 (Mouse, Keyboard)
Video Output	1 x Full Size HDMI 2.0a 1 x Thunderbolt 3 USB-C (DP or USB 3.1) * Max. 1080p resolution per screen
Boot Drive	Solid State Boot Drive (SSD) * Read-only, secure

Video Processing

Resolution	Decode IP streams up to 4K resolution
Codec	H.264/MPEG-4 AVC (up to high profile) Motion JPEG
Data Rates	4MP@20FPS: 160 Mbps max. 1080p@30FPS: 128 Mbps max. 720p@30FPS: 144 Mbps max. 4CIF@30FPS: 96 Mbps max.
Latency	< 200 ms
Layouts	1x1, 2x2, 3x3, 4x4, 1+2, 2+3, 1+5, 5+1 and more...
Views	Up to 5 user-configurable static views Up to 4 user-configurable view sequences
Streams	Up to 32 (max. 16 per monitor)
Web Tiles	Supported; max. 3 recommended

Reference Performance

H.264 / 4MP@20 FPS (16 Mbps)	Single out: up to 10 streams Dual out: up to 10 streams
H.264 / 1080p@30 FPS (8 Mbps)	Single out: up to 16 streams Dual out: up to 12 streams
H.264 / 720p@30 FPS (8 Mbps)	Single out: up to 16 streams Dual out: up to 14 streams
H.264 / D1/4CIF@30 FPS (3 Mbps)	Single out: up to 16 streams Dual out: up to 24 streams

Protocols

Networking	IPv4, UDP, TCP, IGMP, ARP, DHCP, DNS, HTTP, HTTPS, BONJOUR, NTP
Camera Interface	Onvif discovery or Generic RTSP
Management	HTTP, HTTPS, Bonjour, ION API, SNMP
Security	Basic / Digest Authentication, SSL

Software Features

Visual Diagnostics	CPU, GPU, Memory, Network (ETH + WIFI)
On-Screen Display	Supported; max. 4 strings per OSD entry
Web Interface	Web GUI for remote config. / maintenance
Programming API	Bonjour discovery protocol ION API and Genetec API for configuration
Software Update	Fault-tolerant, remote accessible



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Mechanical / Environmental

Dimensions	4.60" x 1.41" x 4.40" (W x H x D)
Mounting	VESA Mount (included)
Power Input	19V, 90W AC-DC power adapter (included)
Operating Temp.	0°C to 40°C
Warranty	3 Years Standard
Compliance	CE, FCC, RoHS, IEC, UL, ETSI, CSA