



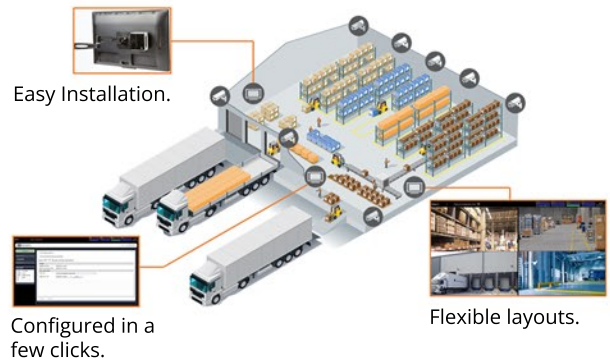
# ION-R100

## Quad View Secure Display Station™

The ION-R100 is a dedicated fanless & ultra compact video decoder designed specifically for use with any H.264/MJPEG video source such as IP cameras and encoders. The ION-R100 is capable of decoding H.264 streams at resolutions up to 1080p30 / 720p60 for display on an HDMI monitor or composite output (BNC). The device is also capable of simultaneous decoding and display of up to four H.264 streams at D1@30FPS

### Features

- Compact Fanless Design
- Selectable Video Output (BNC / HDMI)
- Supports up to 1080p30 / 720p60
- Low Power Consumption
- Powered over Ethernet (PoE)
- Direct Connect to IP Cameras
- Point to Point Link Capable (audio, video, serial)
- Software and Hardware Watchdogs
- Web Based Administrative Interface
- 1x1 / 2x2 Layout or Camera Sequence



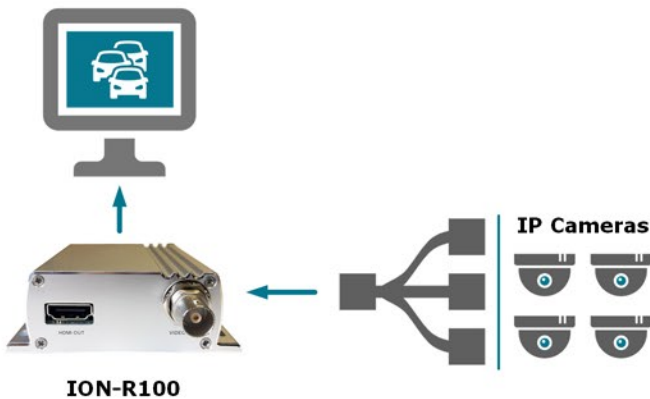
## A secure way to display live video

The ION-R100 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-R100 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-R100's robust embedded software environment ensures consistent and reliable operation even after power outages.

### Live Spot Monitor



# ION-R100 Specifications

## Quad View Secure Display Station™



### Standard / Integrated Interfaces

Network	1 x 10/100 Base-T Ethernet (PoE support)
Video Outputs	HDMI v1.3 for digital video and audio BNC for analog composite video * Only one output can be used at a time
Serial Port	Single serial port (RS422/485)
I/O	Two closure contacts Single output relay contact
Audio	2 channel audio, 1 x input + 1 x output

### Video Performance

Resolution	Analog out (BNC): up to D1 resolution Digital out (HDMI): up to 1080p30/720p60
Codec	H.264/MPEG-4 AVC (up to high profile) Motion JPEG
Data Rate	Up to 6 Mbps (total for all channels)
Latency	< 200 ms
Layouts	Supports 1x1, 2x2 and camera sequence Display up to 4 streams @ D1 resolution

### Audio

Standards	Uncompressed PCM High-fidelity AAC-LC G.711
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### Protocols

Networking	IPv4/v6, UDP, TCP, IGMP, ARP, DHCP, DNS, NTP
Streaming	RTP, HTTP
Management	HTTP, HTTPS, Bonjour, ION API, SNMP
Security	Basic / Digest Authentication, SSL

### Software

Web GUI	System configuration and maintenance
Programming API	Genetec API, ION API
System Monitoring	Video signal, temperature, memory, CPU, network
Software Update	Fault-tolerant, remote accessible
Other Features	Text overlay / OSD

### Mechanical / Environmental

Dimensions	3.66 in x 1.10 in x 3.21 in
Power Input	12 VDC on terminal block or PoE 3 - 4 Watts power consumption
Operating Temp.	0C to 70C
Warranty	2 Years Standard



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