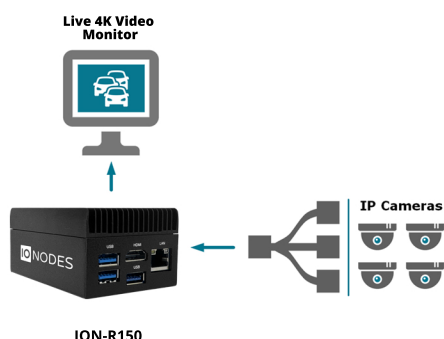




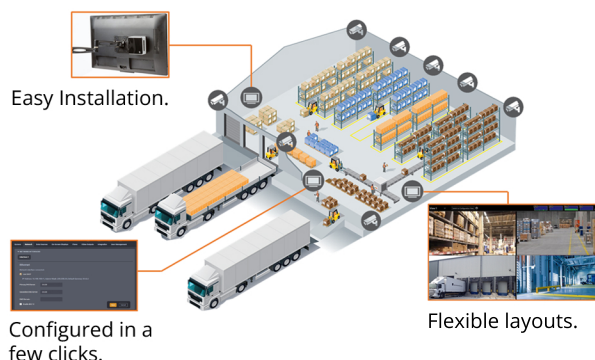
## Features

- Ultra compact & fanless design
- Single 4K monitor output (HDMI)
- ONVIF camera discovery & RTSP source support
- Display up to 16 cameras
- High performance hardware video decoding
- Layouts from 1 x 1 to 4 x 4
- Supports up to 8 user configurable static views
- Supports up to 4 user configurable view sequences
- Supports web tiles for embedding external content
- Support for Panasonic WV-CU980 network keyboard
- PERCEPT Cloud integrated



## Single 4K Monitor Secure Display Station

The ION-R150 is a dedicated fanless & compact video decoder designed specifically for use with any H.265/H.264/MJPEG video source such as IP cameras and encoders. The ION-R150 is capable of decoding video streams at resolutions up to 4K for display on a 4K monitor (HDMI). The device is capable of simultaneous decoding and display of up to 16 IP video streams.



## A secure way to display live video

The ION-R150 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 dedicated security staff.

## Built to last

The ION-R150 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-R150's robust embedded software environment ensures consistent and reliable operation even after power outages.

# PERCEPT CLOUD

## Redefining Systems Management

Centralizing the management of your fleet of Secure Display Stations empowers you with an enhanced user experience, providing the tools and features you need to oversee and operate your devices seamlessly from a single pane of glass.

Visit [perceptcloud.io](https://perceptcloud.io) to start your journey by creating your PERCEPT Cloud account in a few simple steps.



# ION-R150 Specifications

## Single 4K Monitor Secure Display Station

### System

Network	1 x 10/100/1000 Base-T Ethernet port (RJ45) *USB to Ethernet adapter available for PERCEPT Cloud
USB	3x USB 3.2 (Mouse, Keyboard)
Video Output	1 x Full Size HDMI 1.4b
Boot Drive	Solid State Boot Drive (SSD) * Read-only, secure
PTZ Keyboard	Support for Panasonic WV-CU980 Network Keyboard

### Video Processing

Resolution	Decode IP streams at up to 4K resolution
Codec	H.265 (HEVC) / H.264 (MPEG-4 AVC) Motion JPEG
Data Rates	Up to 64 Mbps (total for all channels) 16 Streams @ 720p30 (Full HD monitor) 12 Streams @ 1080p30 (Full HD monitor) 8 Streams @ 1080p30 (4K monitor) 3 streams @ 4K/30 (4K monitor)
Latency	< 200 ms
Layouts	1x1, 2x2, 3x3, 4x4, 1+2, 2+3, 1+5, 5+1 and more...
Views	Up to 8 user-configurable static views Up to 4 user-configurable view sequences
Video Sources	Up to 96 (max. 16 shown per monitor)
Web Tiles	Supported; max. 1 recommended

### 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
Security	Onboard Trusted Platform Module (TPM) Basic / Digest Authentication, SSL Support for 802.1X, Configurable password policy, Protection against brute-force attacks, Protection against clickjacking and cross-site scripting

### Software Features

Visual Diagnostics	CPU, GPU, Memory, Network
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
Cloud Management	Integrated to PERCEPT Cloud

### Mechanical / Environmental

Dimensions	3.62" x 2.52" x 1.78" (W x D x H)
Mounting	VESA Mount (included)
Power Input	12V AC-DC power adapter (included) * North America, EU, UK, Australia
Power Consumption	30-36W on average / TDP
Operating Temp.	0°C to 55°C with 0.5m/s air flow
Operating Humidity	0%-90% relative humidity, non-condensing
Warranty	2 Years Standard
Compliance	CE, FCC Class A, RoHS, REACH, TAA, NDAA



[www.ionodes.com](http://www.ionodes.com)

**Head Office**  
666 Boul. Saint-Martin O,  
Laval, Quebec  
H7M 5G4, Canada

[sales@ionodes.com](mailto:sales@ionodes.com)

1.450.696.1060  
1.844.696.1060 (Toll Free)

**EMEA Office**  
15, Rue de l'Industrie,  
Bertrange, L-8069  
Luxembourg

[sales\\_eu@ionodes.com](mailto:sales_eu@ionodes.com)

+35 (2) 661 23 03 33