

ANT-37100 SpotBox4K Multiviewer 1,4,9,16 views- 4K UHD HDMI Display decoder for ONVIF H.264 & H.265

Product Code: ANT-37100



Key Features

- 4K, 3840 x 2160, 8MP, UHD, HD or SD Decode + Display
- ONVIF H.264 & H.265 Decoder with 1,4,9 & 16 tile display
- HDMI Output, 4K over v1.4 HDMI or 720/1080P
- Decodes up to 16 ONVIF / RTSP /HTTP cameras at the same time
- Auto switching of views in all display modes IR remote control supplied

Product Overview

ANT-37100 replaces the ANT-37000/A product in the 'SpotBox' line up and includes additional features such as a metal housing and PoE + .

SpotBox4K 4K UHD HDMI Input ONVIF H.264 & H.265 4K Video Decoder, capable of up to a maximum output and decode resolution of 3840 x 2160 for a single stream, and up to 16 URL streams decode in resolutions from 480P ,720P to 1920 x 1080 P60 using an IP LAN ethernet connection.

A single view can decode 3840x2160 P30 or 1920x1080P60 and these can be automatically switched for up to 32 cameras.

Available viewing modes of full screen , quad view 9 view and 16 view on either a 4K or 1080P monitor. In 4K display mode all cameras are displayed in their native resolution, no scaling.

ONVIF auto discovery of cameras or manual entry of RTSP URLs makes this box very easy to program as it finds all ONVIF cameras on a network. The box can also automatically select the best ONVIF profile for a particular view. This ensures you get best possible clarity in each view.

Control of views and selection of an individual camera is done via the IR remote control or this can be programmed as a sequence.

Auto reboot into a specific view is available and fail safe reboot after power cut. No OS to manage or keyboard and mouse or licence per camera..all included.

The SpotBox4K is both a H.264 & H.265 video decoder and is designed as a low cost, PC-Less way to view and display Ip camera streams in Ultra high resolution onto a 4K/1080p screen or monitor.

Multiple streaming formats are supported such as Up to 32 URL's, MPEG-TS, ONVIF & RTSP Streams Supported.

The decoder is powered via 12V D/C power converter supplied with multi country connectors or can be powered by USB C or PoE as a separate adapter / cable.

A full SDK is available for control of multiple boxes and a web interface for setup and firmware upgrades.

Firmware is being updated constantly to give more features and capabilities to the Spotbox4k. Firmware upgrades are free and no decode licenses apply.

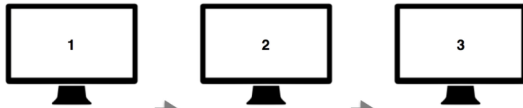
A few of the applications are:

- ✔ Connect to a monitor as an easy / simple add on to an existing security set up – for additional viewing desks etc
- ✔ Use in place of NVR / DVR / VMS as a way of viewing cameras, and utilising edge recording on the IP cameras.
- ✔ In residential properties the box can be connected to existing TV as additional source / input to view residential / business ip security cameras.

This product is not limited to the markets and applications.

ANT-37100 SpotBox4K Multiviewer 1,4,9,16 views- 4K UHD HDMI Display decoder for ONVIF H.264 & H.265
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SpotBox4K : 1 x 1 Display Mode



Display Format : 1 x 1
Cameras on screen: 1
Max Resolution per camera : 3840 x 2160 @ 30fps
Automatic Timed Camera Switching: Yes
Max no of cameras programmable in config menu : 32
Auto Reboot (if power failure) into selected view mode without re-config: Yes

SpotBox4K : 2 x 2 Display Mode

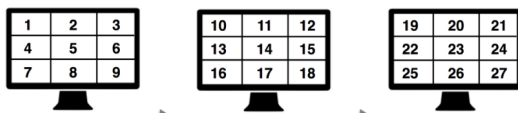


Display Format : 2 x 2
Cameras on screen: 4
Max Resolution per camera : 1920 x 1080 @ 30fps
Automatic Timed Camera Switching: Yes
Max no of cameras programmable in config menu : 32
Auto Reboot (if power failure) into selected view mode without re-config: Yes

1. **Full Screen Mode** - up to 4K resolution. In this mode 1 camera will display in full screen mode, you can then programme up to 32 cameras which will cycle through one after another. One the cameras have been cycled through the view will return to the beginning.

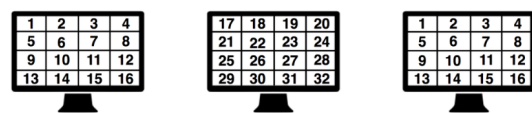
2. **Quad Screen Mode** - display 4 x 1080P60 streams on a 4K monitor. You can programme up to 32 cameras to display and view them in quad mode (4 cameras on screen) - after this it can be programmed to switch to another quad screen of cameras (a different set of 4 cameras on screen).

SpotBox4K : 3 x 3 Display Mode



Display Format : 3 x 3
Cameras on screen: 9
Max Resolution per camera : 1280 x 720 @ 30fps
Automatic Timed Camera Switching: Yes
Max no of cameras programmable in config menu : 32
Auto Reboot (if power failure) into selected view mode without re-config: Yes

SpotBox4K : 4 x 4 Display Mode



Display Format : 4 x 4
Cameras on screen: 16
Max Resolution per camera : 640 x 480 @ 30fps
Automatic Timed Camera Switching: Yes
Max no of cameras programmable in config menu : 32
Auto Reboot (if power failure) into selected view mode without re-config: Yes

3. **9 Camera Display Mode** - Display 9 x cameras on a monitor (resolution scaled to monitor used). You can programme up to 32 cameras to display and view them in 9 camera display mode (3x3) - after this it can be programmed to switch to another view of 9 cameras (a different set of 9 cameras on screen).

4. **16 Camera Display Mode** - Display 16 x cameras on a monitor (resolution scaled to monitor used). You can programme up to 32 cameras to display and view them in 16 camera display mode (4x4) - after this it can be programmed to switch to another view of 9 cameras (a different set of 9 cameras on screen).

Technical Specification

Main	Sub	Specification / Detail
System	Mode	Decoder
System	Standards	ONVIF Discovery, RTSP,HTTP, MPEG-TS
System	Latency	>150mS (system dependant)
Video	Compression	H.264 or H.265
Video	Profile	Baseline & High
Video	Frame Rate	1-30 fps
Video	Bit Rate	32kbps-10 mbps
Video	Mode	GOP
Video	Bit Rate Control	CBR, VBR
Video	Min Resolution	352 x 240 P30
Video	Max Resolution	3840 x 2160 P30
		4x4 (16) @480P 3x3 (9) @720P 2x2 (4) @1080P or 1 x 3840 x 2160 P30
Video	Number of Streams	Single Mode
Video	Inputs	1 x HDMI 2.0 (Future Use)
Video	Input Combinations	1 x HDMI 2.0 (Future Use)
Video	Outputs	1 x HDMI 1.4B
Video	Output Combinations	HDMI 1.4 Output
Video	On Screen Display	English
Audio	Mode	Via HDMI (AAC)
Audio	Compression	N/A
Audio	Sample Rate	N/A
Audio	Bit Rate	N/A
Audio	Streaming	N/A
Audio	Inputs	N/A
Audio	Outputs	N/A
Network	Interface	100/1G Ethernet RJ45
Network	Protocols	IPv4, TCP, UDP, IGMP(Multicast), DHCP,HTTP,RTSP,DNS, NTP
Network	Security	Password Protection
Network	Configuration	SDK, WEB
Data	Type	N/A
Data	Interface	N/A
Data	Protocol	N/A
Data	Alarm	N/A
Data	Sensor	N/A
Event	Sources	N/A
Event	Actions	N/A
Power	Supply	12v DC or PoE +
Power	Adapter input volts	AC 110-240v
Power	Adapter Output Voltage	12v
Power	Consumption	PoE + = 25w max
Recording	Edge Storage	N/A
Temperature	Operating Range	0 + 50C
Physical	Dimensions	L = 166mm x D = 120mm x W = 33mm
Physical	Weight	500g
Physical	Housing	Black Metal - Aluminum
General	Certifications	CE , FCC, RoHS
General	Software	SDK
General	Warranty	12 Months
General	Remote	IR Remote
General	Reset	Web or Physical Restart Button
Control & Set Up	Set Up	Web Interface or API Document
	Control	IR Remote Control or Web Interface
	Upgrade	Firmware Upgrade via Web Interface
In the Box	Contents	ANT-37100 unit , 12v DC Power Supply, Remote
	Power Cable/adapter	12v Power adapter