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VIDEO OVER IP SOLUTIONS

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Encoder & Decoder Range

4K-1080P-720P-576i	HD-SDI - HDMI- DVI- SD
RTSP RTMP MPEG-TS	H265 + H264
ONVIF PSIA	Low Latency
Hardware Decoders	PC Screen Encoding

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ANT-38000 4K UHD Encoder

Key Features

The ANT-38000 The ANT-38000 is a new 4K/UHD Quad stream video encoder supporting HDMI 1.4 and 3G HD-SDI inputs.

Encoding 4096 x 2160 @ 24 fps and 3840 x 2160 @ 30 fps the ANT-38000 is ideal for encoding the output of a high resolution PC or other instrument and streaming to a Signage Decoder, STB or ONVIF VMS (Video Management Software) like Milestone or VLC Player.

As many Desktop PCs , scanners, medical equipment and other Display connected devices increasingly use higher than Full HD resolutions, the ANT-38000 offers a low cost streaming solution.

With RTSP and MPEG -TS streaming plus RTMP for youtube and other services, the ANT-38000 uses standard H264 compression to maintain compatibility with existing systems.
At the slight expense of bandwidth the ANT-38000 can stream 4K video at bit rates of around 10-20 Bits/second or higher if required over any 10/100 LAN or WAN.

Supporting 4 streams the Encoder can stream 4 different scaled resolutions and frame rates for viewing on non 4K devices tablets and phones.

AAC and G711 two way audio is supported as well as local recording to USB memory . Video Bit rates from 32kbps to 40 Mbps are supported as well as numerous protocols like multicasting UDP HTTP SMTP FTP DHCP DNS dDNS RTP RTSP SNMP

4096 x 2160 @ 24fps

3840 x 2160 @ 30fps

H.264 HDMI 3G HD-SDI

ONVIF Compliant

Encoder / Decoder Comparison Chart

Encoder / Decoder Comparison Chart

Product

Feature
H265
H264
Encoder
Decoder
ONVIF Compliant
Hardware to Hardware Latency mS
Hardware to Software Latency mS
Max Resolution
Max Frame Rate Frame/sec
Max Data Rate Mbits/s
Unicast / Multicast
RTSP
MPEG-TS
Browser Video Stream Viewing
VLC Video Stream Viewing
Dedicated Viewing Software
HDMI
DVI-D using HDMI to DVI Cable
HD-SDI
Component via VGA Dongle
Composite PAL NTSC
Independent Video Channels
Streams
Audio Format
Two Way Audio
Embedded Audio Support
Analogue Audio Support
SD or USB Local Recording
RS232
RS485
PoE or USB
Power Supply DC Volts
Notes

ANT-35000A 1080P60 Encoder

Key Features

The ANT-35000A is a new full HD Quad stream 1080P60 video encoder supporting 3G-HDSDI HDMI and Composite video inputs.

Full ONVIF Profile S compliance allows the ANT-35000A to be used with various third party viewing software -CMS/VMS Milestone Exaq or our own FREE VMS .

With 60 frames per second support, full HD desktops can be encoded from a PC output and streamed using RTSP MPEG - TS RTMP or RTP.
AAC and G711 two way audio is supported as well as local recording to USB memory .
3G/HD/SD-SDI HDMI and Composite inputs and local display outputs are supported with embedded audio in SDI/ HDMI .

Quad streams allow independent control of each streams bit rate resolution and other features via a web browser or SDK.

PoE , RS232/485 communication, Motion detection , sensor and alarm I/O, are just a few of the other features.

Video Bit rates from 32kbps to 16 Mbps are supported as well as numerous protocols like multicasting UDP HTTP SMTP FTP DHCP DNS dDNS RTP RTSP SNMP

1920 x 1080 @ 60fps

HDMI / HD-SDI / CVBS

ONVIF Profile S

PC over IP

For full Comparison of all Encoders & Decoders see pages 14 & 15

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ANT-2010 General Purpose HDMI Encoder

Key Features

The ANT-2010 is a general purpose low cost streaming encoder supporting RTSP RTMP MPEG-TS and HTTP streaming

Offering HDMI inputs and Outputs and supporting embedded audio.

Streams can be sent to be viewed or recorded to VLC player Set Top Boxes and various VMS software.

Streaming to a Youtube channel can be achieved with RTMP and then the Youtube video can be embedded in a web page for viewing.

Power is supplied from a n external 12v supply .

Applications include:
Website video from a live source
Youtube channel streaming
Set Top Box monitoring and Recording remotely.
PC or Laptop screen recording and remote viewing

1080P60 HDMI

H264 Low Cost Encoder

HTTP RTSP MPEG-TS RTMP

1 & 4 Channel versions

For full Comparison of all Encoders & Decoders see pages 14 & 15

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Spotbox4k- ONVIF IP Camera Multiviewer

Key Features

The first universal 4K ONVIF Camera Multiviewer decoder & Spot Monitor for CCTV and Video wall applications.

1-16 individual ONVIF , RTSP , HTTP or MPEG-TS streams at up to 3840x2160 can be programmed and decoded.
A total of 32 H265 or H264 cameras can be programmed

The Spotbox4K can decode a single 4K 8 Mega pixel stream in full screen mode and display on a 4K or 1080P Monitor.
Four 1080P30 streams can be displayed as a Quad.
Nine 720P or Sixteen 480P streams can be displayed at the same time on one screen

The 4K output allows viewing of all streams in their Native resolution without scaling

Supplied with an IR remote control the operator can select various view modes or a single camera

This low cost hardware viewing platform is easy to instal and use without additional VMS licence costs.

4K Display Output

1-16 Cameras on screen

ONVIF Discovery

4K 1080P 720P 480P H265 + H264

For full Comparison of all Encoders & Decoders see pages 14 & 15

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ANT-35000H ONVIF HDMI Encoder

Key Features

The ANT-35000H is a High Definition 1080P60 H.264 video and audio Encoder that can be used in several ways.

Connected to an HDMI video source the encoder can be used to stream Computer or scanner images real time to a Video management system (VMS)

Being fully ONVIF Profile S complaint the ANT-35000H can be integrated with any compliant VMS like Milestone and others.

The ANT-35000H supports embedded HDMI video and Audio or analogue audio and has a bypass HDMI output

Additional Serial and sensor/alarm inputs and outputs are provided such as RS485/232 to allow control of external equipment.

Power is supplied via a 12v input or internal Ethernet PoE.

Applications include connecting PCs or any HDMI source and streaming via RTSP(ONVIF) RTMP (Youtube) MPEG-TS (set top Box) and RTP.
Recording via an onboard USB port is also possible

1920x1200@60fps

HDMI HD-SDI + CVBS

ONVIF Profile S

VMS Integration

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ANT-4000E Low Latency Encoder & Decoder

Key Features

The ANT-4000 family of streaming encoder decoders will encode HDMI VGA CVBS or Component signals and stream over an IP network to the ANT-4000D decoder or various software decoders.

The ANT-4000E and ANT-4000D are High Definition 1080P60 H264 video server/ encoder & decoder with an end to end video delay (latency) of 100mS.

Unlike many encoders these units can stream up 1920 x1080 at 60 frames per second.

Applications include sending PC images, Medical scanner outputs, video images , Digital Signage inputs and other HD sources. HDMI, VGA, CVBS, Component and DVI-D are all supported.

Stream to software decoders like VLC player , BUZZ player + others. RTSP & MPEG-TS supported.

ANT-4000D decoder available to buy to combine with ANT-4000E.

The ANT-4000E can also be used as a standalone RTSP MPEG-TS encoder with VLC as a decoder

Low Latency 100mS

1920 x 1080 @ 60fps

HDMI VGA Component

Encoder + Decoder

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ANT-2200 H265+ H264 HDMI Encoder

1920x1080@60fps

HDMI HD-SDI + CVBS

H265 and H264

HDMI Input/Output

Key Features

The ANT-2200 is a High Definition 1080P60 H.265 or H264 video and audio Encoder that can be used in several ways.

Supporting H265 this encoder is capable of lower bit rate streaming when compared to H264

HDMI inputs and Outputs allow bypass of HDMI signals and support video and audio

Analogue audio is supported

Power is supplied from an external 12v Supply

Streaming is supported in RTSP (VMS or VLC player) RTMP Youtube, MPEG-TS (Set Top Box decode) and HTTP

H265 allows this encoder to stream good quality video at very low bit rates. This is useful in applications where bandwidth is highly restricted or many encoders are used in one system

Applications include connecting PCs or any HDMI source and streaming via RTSP(ONVIF) RTMP (Youtube) MPEG-TS (set top Box) and RTP.
Monitoring the output of a set top box or other equipment with HDMI to an LCD screen

For full Comparison of all Encoders & Decoders see pages 14 & 15

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ANT-2210 Battery Powered H265 Encoder

1920x1080P60 HDMI

H265 Battery or 12v

HTTP RTSP MPEG-TS RTMP

H265 + H264

Key Features

The ANT-2210 is a High Definition 1080P60 H265 & H.264 portable video and audio Encoder that can be used in several ways.

Supporting H265 or H264 this encoder is capable of lower bit rate streaming when compared to H264

A Lithium internal rechargeable cell allows up to 3 hours of streaming without the need for a power supply

Analogue audio is supported

Streaming is supported in RTSP (VMS or VLC player) RTMP Youtube, MPEG-TS (Set Top Box decode) and HTTP

H265 allows this encoder to stream good quality video at very low bit rates. This is useful in applications where bandwidth is highly restricted or many encoders are used in one system

Applications include offsite streaming at an event where power may not be available. Connecting the HDMI input to any HDMI source offers portable streaming in H265 or H264

For full Comparison of all Encoders & Decoders see pages 14 & 15

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ANT-6000E Low Latency Encoder & Decoder

Low Latency 100ms

1920 x 1080 @ 60fps

HDMI HD-SDI VGA

Encoder + Decoder

Key Features

The ANT-6000 family of streaming encoders which will encode HDMI VGA or SD/HD-SDI signals and stream over an IP network to the ANT-6000D decoder or various software decoders.

Embedded audio in both HDMI and SDI is supported as is two way audio.

High quality video can be streamed over any IP network with ultra low 100mS latency end to end.

The ANT-6000 series is an upgrade to the 4000 series adding higher bit rates and an HD/SD-SDI interface for broadcast applications requiring embedded audio.

Unlike many broadcast products the ANT-6000 encoder plus decoder cost well under half to a third of similar specification products.

Latency is relatively low end to end at approx 100mS and the devices have an RS232 interface plus back channel audio in addition to the main stereo audio stream .

Inputs include SDI , HDMI and VGA. Both video and PC signals can be encoded and sent over IP.

ANT-6000D decoder available to buy to combine with ANT-6000E.

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ANT-3300 /3410 ENCODERS

Encode PAL NTSC

1 or 4 channel

ONVIF Profile S

RSTP MPEG-TS

Key Features

The ANT-3300 is an H.264 Composite PAL NTSC video and audio CODEC that can be used in several ways.

Firstly it can be used as a traditional IP video server where video and audio sources are connected to it and the unit is connected to a network. Any PC that can reach it over the network can view the video, listen to the audio and access all of its control features either using the supplied CMS software or via a browser.

Dual stream capability allows one stream for recording and another for viewing. Dual streams can be different resolutions/ frame rates.

Secondly two units can be set up as an encoder / decoder pair. The signals (video, audio & control) arriving at the encoder will be decoded by the decoder. This is ideal for transmitting high quality video between 2 points in a building which has already had a network installed or between remote locations which are connected to the internet.

Finally the unit can be used as a decoder paired with any of the Antrica SD IP camera range, including Speed Domes.

The ANT3300 can record locally on loss of network, detected movement or on a local signal.

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ANT- 36000 Universal ONVIF Decoder

Key Features

The ANT-36000 is a new 1-100 Channel full HD 1080P60 ONVIF Decoder.

Designed to decode any ONVIF camera or Encoder IP stream and output 3G HD-SDI + HDMI + Composite video.

An Apple and Android App is available for remote control of 100 channels.

The HDMI and 3G HD-SDI outputs can be used to display the IP stream or record it to an HD-SDI recorder.

IP Camera Decoder for any ONVIF IP camera or Network video Decoder.
The Composite video output is designed for recording the stream to older analogue video recorders with Composite PAL or NTSC inputs. This output is scaled down from the original input resolution format to PAL/NTSC.

ONVIF RS485 inputs allow control of a remote ONVIF PTZ camera without the need for a VMS or NVR
PoE , RS232/485 communication, 2 way audio , alarm outputs and USB recording are all supported (USB recording with future Firmware upgrade)

Video Bit rates from 32kbps to 16 Mbps are supported as well as numerous protocols like multicasting UDP HTTP SMTP FTP DHCP DNS dDNS RTP RTSP SNMP

100 Channel Inputs

HDMI HD-SDI CVBS

IOS & Android APP

ONVIF Compliant

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For full Comparison of all Encoders & Decoders see pages 14 & 15

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ANT-2014 Four Channel HDMI Encoder

Key Features

The ANT-2014 is a 4 channel version of the ANT-2210 H264 Encoder.

The ANT-2014 is a general purpose low cost streaming encoder supporting RTSP RTMP MPEG-TS and HTTP streaming

Offering 4x HDMI inputs and Outputs and supporting embedded or analogue audio.

Streams can be sent to be viewed or recorded to VLC player Set Top Boxes and various VMS software.

Streaming to a Youtube channel can be achieved with RTMP and then the Youtube video can be embedded in a web page for viewing.

Power is supplied from an internal 12v power supply and supplied with a 240v Power Lead. The ANT-2014 is 19" rack mountable in a 1U case.

Applications include:
Website video from a live source
Youtube channel streaming
Set Top Box monitoring and Recording remotely.
PC or Laptop screen recording and remote viewing

1920 x 1080 @ 60fps

4x Channel HDMI

Rack Mount 1U

PC over IP

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For full Comparison of all Encoders & Decoders see pages 14 & 15