

Hdot 01

Video Server H.264-MPEG4-H.263 Codec



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Hdot 01 is a video server for the coding of analog video signals with PAL/NTSC standards, for the transmission over LAN with IP protocols and for the decoding of streamed video to analog video.

Design and manufactured by Sinartis, **Hdot 01** is a video codec (encoder/decoder) using H.264, MPEG4 and H.263 compression standards for video streams and JPEG for still images at a pre-set rate.

The compression standards, frame resolutions and bit rates (VBR or CBR) with flux from 32 Kb/s to 5 Mb/s are very easily selectable by a web page interface.

The video resolutions are ranging from Full D1 (720x576 pixels) to QCIF (176x144pixels) up to the maximum frame rate, 25 fr/sec PAL or 30fr/sec per NTSC.

The LAN protocols are both RTSP and RTP (Elementary Stream) both unicast and multicast.

The video/audio streams can be decode over the LAN by PC servers using programs like VLC media player, QuickTime player, Mplayer.



Hdot 01 has also, as an the option, a HW USB interface connector for the connection of external functionality (for example, a recording Hard Disk or a Wireless connection) and in addition the capability to record

video streams and JPEG still images over the built in Memory Card socket.

The analog audio input and analog audio decoded output are both stereo.

Hdot 01 was design using low consumption electronic components.



Sinartis s.r.l.

sinartis@sinartis.it
www.sinartis.it

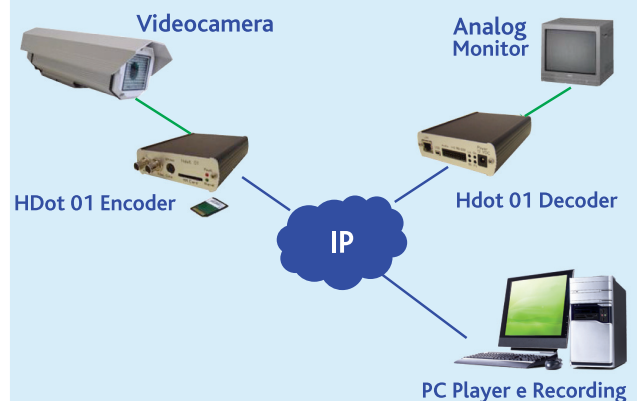
Via A. Moro 10/B
21012 Cassano Magnago (Va)

TEL. +39 0331.282257

FAX +39 0331.202950

APPLICATIONS:

- Video surveillance
- Digital video transmission from mobile systems
- Local video recording
- Low bits rates video transmission
- Multimedia.



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TECHNICAL SPECIFICATIONS

Video/Audio compression standards:	(Encoder –Decoder) H264 (AVC Base Profile) MPEG4 H263 JPEG MJPEG (option) MPG Audio
Video resolutions (pixels):	QCIF (176x144) QVGA (320x240) CIF (352x288) 2CIF (704x288) VGA (640x480) 4CIF (704x576) Full D1 (720x576)
Frame Rate:	Up to 25 fps (PAL) e 30 fps (NTSC)
Stream Bit Rates:	VBR e CBR from 32 Kb/s to 5 Mb/s
Analog Video Input:	n. 1 analog composite PAL/NTSC (BNC)
Analog Video Outputs:	n. 1 analog composite PAL/NTSC n. 1 analog S-Video (optional)
Audio Inputs:	n. 1 analog stereo
Audio Outputs:	n. 1 analog stereo 48KHz
Streaming protocols:	RTSP (unicast, HTTP- tunneling) ES-RTP (unicast e multicast)
Physical Interfaces:	n. 2 RS232 serial ports n. 1 LAN 10/100 n. 2 GPIO n. 2 GPIO Optoisolated n. 1 mini USB (optional)
Local Memory:	(Optional) Multimedia Card / Secure Digital or internal Flash Memory 128 Mbytes
Configuration:	By web browser (optional RS232 console)
Dimensions:	133x106x32 mm (150x106x32 mm including BNC connectors)
Power Supply:	12VDC – 250 mA
Environmental:	From to da 0 a 50 C°



Order codes:

8S1077	H264-Mpeg4-H263 Encoder
8S1078	8S1077 + Audio
8S1079	H264-Mpeg4-H263 Decoder
8S1080	8S1079 + Audio

Hdot 01 - Front and rear view



Kane Computing Ltd
7 Theatre Court, London Road,
Northwich, Cheshire, CW9 5HB, UK.
Tel: +44(0)1606 351006
Fax: +44(0)1606 351007/8
Email: sales@kanecomputing.com
Web: www.kanecomputing.co.uk