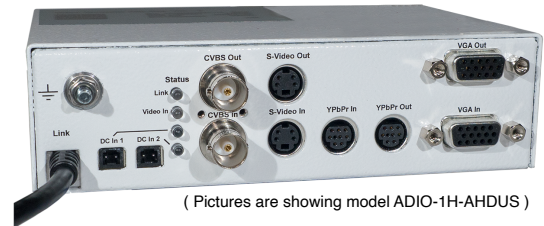# ADIO-1

Video signal repeater and converter with <u>one</u> device only.

- Straight thru conversion of up to 8 different analog/digital video signal types to a DVI/HDMI signal
- Supports resolutions up to 1920x1200@60Hz (WUXGA)
- High reliable local video signal repeater
- USB 1.1 hub and connection for keyboard & mouse
- Remote monitoring of the ADIO with a Multi-Display-Manager (MDM)
- Redundant power supply support
- Lean cable and power management
- Electrical safety according to standard EN62368-1
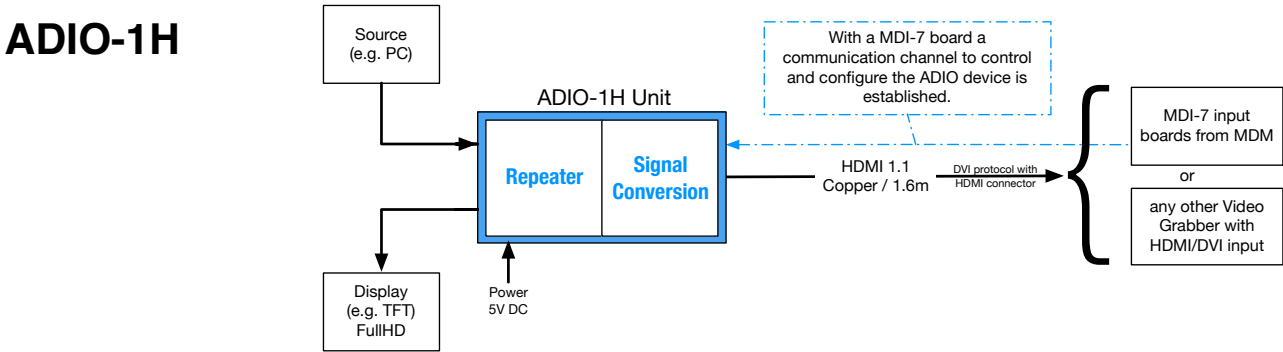
(Pictures are showing model ADIO-1H-AHDUS)

The All-In-One design of the ADIO-1 device tidies up your complete installation as it combines a lot of single boxes with their power supplies and cables to one unit only. Reducing possible point of failures makes it much more reliable, easier to use, to control and to debug. It is more cost effective too.

The ADIO-1 signal repeater and converter is the Swiss Army Knife of connecting video sources of many different types and protocols to a Multi Display Manager, digital video grabber and/or video processor device. Combined with a MDM/MDI-7 Board no additional power supply is necessary and full monitoring of the source quality is possible from the Multi Display Manager administration interfaces.

Order Number	Optical Isolation	Output Connector	Repeater Outputs	Inputs	Packaging list
ADIO-1H-AH	No	HDMI	yes	HDMI, VGA, analog	ADIO-1H TX Unit
ADIO-1H-AHDUS	No	HDMI	yes	DVI, DP, HDMI, VGA, analog, USB, SDI	ADIO-1H-AHDUS TX Unit
ADIO-1H-VHDS	No	HDMI	no	DVI, DP, HDMI, VGA, SDI	ADIO-1H-VHDS TX Unit
ADIO-1-PSU	Power supply				One power supply with adapter cable

DVI
HDMI   SDI
DisplayPort
S-Video   Component Video
Analog   Composite Video
VGA   (CVBS/FBAS)

MultiDisplayManager

or

Any other video grabbing board with HDMI inputs

Input Specifications & Views

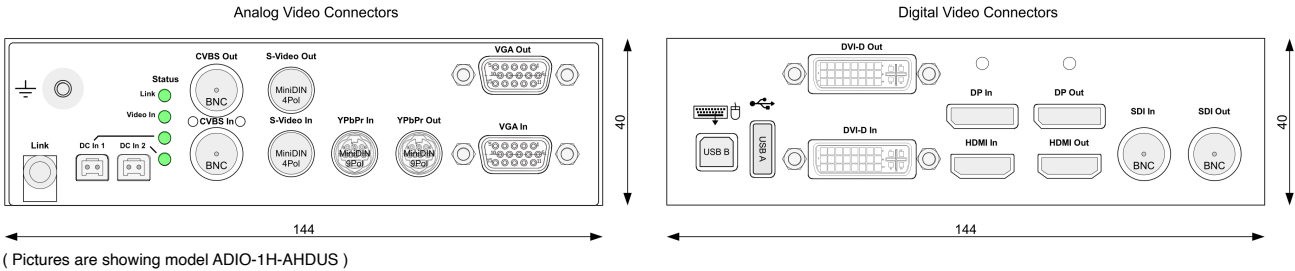|	DVI	HDMI	Display Port	SDI	VGA	S-Video	Component	CVBS	USB
Supported Standards	DVI SL	HDMI 1.1	Display Port 1.1	3G SDI HD , SD, DVB-ASI. SMPTE 259M, 292M, 424M	Analog	S-Video	YPbPr	CVBS/FBAS	USB 1.1 Keyboard & mouse device
Connector Type	DVI-I	HDMI	Display Port	BNC	D-Sub VGA	4 pin mini DIN	9 pin mini DIN	BNC	USB Type A
Input signal equalizer	yes	yes	yes	yes	-	-	-	-	HUB
Repeater output	yes, cable driver	yes, cable driver	yes, cable driver	yes, reclocked cable driver	yes, buffered	yes, buffered	yes, buffered	yes, buffered	yes, USB Type B
max .pixel clock [MHz]	165	165	165	3,000	165	165	165		n/a
Max. Resolutions @60Hz	1920x 1200	1920x 1200	1920x 1200	-	1920x 1200	-	-	-	n/a
Color Formats	RGB	RGB, YPbPr	RGB	YPbPr	RGB	YC	YPbPr	YC	n/a
Video Format	-	up to 1080p	-	up to 1080p	up to 1080p	PAL, SECAM, NTSC, 525i, 625i,	up to 1080p	PAL, SECAM, NTSC, 525i, 625i,	n/a

ADIO-1H

ADIO-1H-VHDS

ADIO-1H-AHDUS

Power Supply (ADIO-1-PSU)	
Power Input connector	IEC 320/C8
Input Voltage [V]	100 - 240 AC
Input Frequency [Hz]	47 - 63
Input Current	max. 0.6A@230VAC
Isolation	4KV AC

Dimensions	
Unpackaged Size	(w)140x(h)40x(d)98 mm
Unpackaged Weight	0,65 kg

Electrical Safety & EMC Specifications	
Electrical Safety	IEC62368-1, EN62368-1, UL62368-1
EMC	According EN55032 & EN55035
Radiated Emissions	FCC class B
Immunity	EN61000-3-2, EN61000-3-3
Compliance	CE, UKCA, RoHS, REACH

Reliability	
MTBF	85000h

Environmental Specifications	
Unpackaged Operating Temperature	5 °C to 35 °C according EN 60068-2-1/2
Unpackaged Operating Humidity	Damp heat, 25°C, 10 to 80% RH (non condensing) according EN 60068-2-38.
Unpackaged Operating Pressure	700-1060 hPa (525 -795 mmHg) or up to 3000m (10,000ft).
Packaged Non-Operating Temperature (Storage, Transportation)	-40 °C to +70 °C according EN 60068-2-1/2
Packaged Non-Operating Humidity	+25°C 10 to 95% RH (non-condensing) according 60068-2-38.
Packaged Non-Operating Pressure	500 -1060 hPa (375 -795 mmHg) or up to 5,050m (18,000 ft).
Packaged Tests Continuous Shock	according EN 60068-2-29 and EN60721-3-2, class 2M2.
Package Drop Test	according EN 24180-2.
Sound Noise Level	No noise emitted.

Analog Video Connectors

Digital Video Connectors

(Pictures are showing model ADIO-1H-AHDUS)

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