

# TH-R "Talking Head" Rack Mounted ISDN Codec



## Live video & audio contribution on demand via ISDN & Inmarsat satellite services

*The 7E 'Talking Head' series video reporter units are rugged, portable and suitable for location work anywhere in the world where there is an ISDN line or a suitable Inmarsat terminal. The TH-R codec is the complementary unit designed specifically for unattended use back in the studio.*

*Simplicity and flexibility of operation in the control room have been the keyword in the product's development, resulting in a minimum of complex controls. The unit can auto-answer incoming calls and then display call information for 10 seconds after which nothing other than the incoming signal will be output. There is no risk of error messages or CLIs being displayed on-air.*

*Excellent picture quality at 64/128kbps is assured by the use of the latest H.263 compression algorithms, or if desired high quality (7.5kHz) audio and low speed pictures can be transmitted instead.*

*The TH-R is a fully standards compliant video conferencing terminal and can be used to receive material from other H.320 compliant devices.*

*External connections are provided on the rear panel using standard XLR and BNC connectors.*

*An adjustable 6.4" TFT Colour display with speaker is available as an option.*

*Storage for the remote control is provided within the unit.*

### Specification

#### Video

ITU-T H.320, H.261 and H.263

CIF resolution (352 x 288 pixels) at up to 15 fps

QCIF resolution (176 x 144 pixels) at up to 30 fps

Input: Composite, 75Ω BNC/Phono (PAL or NTSC)

Output: Composite 75Ω BNC (PAL or NTSC)

Display: 6.4" TFT (optional)

#### Audio

ITU-T G.728 AND G.722 Full duplex with echo cancellation

Line audio input: 3-pin XLR

**Data** RS-232 async. with T.120 to special order

#### Network

ISDN Basic Rate (2B+D)

Euro & North American S0 ISDN Interface

10 number memory, Speed-dial, Last number redial

#### Physical

Dimensions: 1U, 483mm x 454mm x 45mm approx. (WxDxH)

Weight: 6.7 kg

Power: 90-264V AC; 50-60Hz, with stand-by mode

Operating temperature: 0 to 40°C ambient

Non-operating temperature: -10 to 60°C

Operating humidity: 20% - 90% (non-condensing)

Non-operating humidity: 10% - 95% (non-condensing)

Specification subject to change without notice

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#### New Address

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## "TALKING HEAD" (TH-R) SPECIFICATION

<b>Codec</b>	ITU-T H.320 video conferencing incorporating H.261 & H.263 video coding G.711, G.722 & G.728 audio coding T.120 data exchange (requires optional data connector)		
<b>Inputs</b>	Line	Hi-Z, balanced input	3 pin XLR female
	Video	75 $\Omega$ , 1V p-p, (NTSC or PAL)	BNC socket
	Power	90-264VAC	IEC, 3-pin
<b>Outputs</b>	Video	75 $\Omega$ , 1V p-p (NTSC or PAL)	BNC socket
	Line	Hi-Z, balanced output	3 pin XLR male
<b>ISDN</b>	Euro-ISDN, 64/128kbps with MSN support North American (NI2, DMS100 & AT&T) S0, 56/112kbps with SPID support Flying lead with RJ-45 plug - 5m in length		
<b>Controls</b>	Power, rocker switch Line level, Rotary potentiometer		
<b>Indicators</b>	On/Off LED and video status indicator (red/green LED) Internal PPM (10 LED display -20 to +3dB)		
<b>Display</b>	Optional 6.4" LCD with loudspeaker, volume and brightness control		
<b>Power</b>	AC 90-264VAC / 47-400Hz (supplied) Remote control requires 2x AA batteries		
<b>Accessories</b>	Remote Control		
<b>Options</b>	S-video (Y/C) input/output RS-232 TFT monitor		
<b>Physical Spec.</b>	1U rack mount Height:45mm, Width: 483mm, Depth: 454mm, Weight - 6.7kg		