



# DRAKE ND-24-IP

NETWORK DECODER WITH HD-SDI, HDMI AND COMPONENT OUTPUTS



## KEY FEATURES

- » Simultaneous SDI/HDMI/Component HD + Composite SD Outputs
- » Decoding content from Off-Air, Clear QAM, and IP sources
- » Supports both MPEG-2 and H.264 content
- » LCD screen
- » Closed Captioning
- » VBR or CBR
- » IGMPv2 and IGMPv3
- » IP Security Camera Decoding (VLC Compatible)

## PRODUCT OVERVIEW

The **ND-24-IP** is a low cost professional MPEG-2 and H.264 decoder that is capable of receiving content from off-air, clear QAM, and IP sources. The ND-24-IP is capable of simultaneously outputting video content in SDI, HDMI and component formats. SDI outputs are available in 3G-SDI, HD-SDI, or SD-SDI formats.

The unit can be used as a stand-alone high quality decoder, or used in conjunction with other IP encoders, to provide an end-to-end IP video delivery solution over a managed network.

When the ND-24-IP decoder is used with Drake's PEG encoder (with Zixi option) and a Zixi Link License, it can provide a point-to-point reliable IP video transport from anywhere in the world with an internet connection. The ND-24-IP can also be used in a point-to-multipoint application, where the ND-24-IP would decode the IP based Zixi protocol stream from a Zixi Broadcaster.

## ORDERING INFORMATION



MODEL	STOCK#	DESCRIPTION
Drake ND-24-IP	<b>1002643</b>	Network Decoder with SDI, HDMI and Component outputs
Drake ND-RP-2	<b>1002653</b>	Rack Mount Panel for (2) ND-24-IP Decoders
Drake ND-24-Zixi-LIC	<b>1002654</b>	Zixi Link License for Point-to-Point Links

# DRAKE ND-24-IP

## SPECIFICATIONS



### INPUT

#### IP MODE

Connectors	1x RJ45 (100/1000Base-T Ethernet)
UDP/RTP	Supported
Protocols	IGMPv3 / IGMPv2 Supported

#### STREAM PORTFOLIO

SPTS and MPTS	Null Packet Deletion
Bit Rate	Variable and Constant

#### 8VSB MODE

Connectors	1x "F" Female
Standard	ATSC Digital Television A/53E
Tuning Range	UHF (Ch.14-69), VHF (Ch.2-13)
Data Rate	19.392 MHz
Bandwidth	6 MHz
Power Level	-20 to +20 dBmV
Impedance	75 Ω

#### QAM MODE

Connectors	1x "F" Female
Standard	ITU-T J.83; Annex A and B (64 & 256 QAM)
Tuning Range	CATV Ch. 2-158 (STD, HRC, IRC)
Data Range	38.8 Mbps (QAM 256); 26.97 Mbps (QAM 64) – Auto Detect
Bandwidth	6 MHz
Power Level	-15 to 20 dBmV (@ QAM 256), -20 to 20 dBmV (@ QAM 64)
Impedance	75 Ω

### ALARMS & MONITORING

Local Monitoring	Front-Panel LCD Screen
Local Control	Front-Panel Navigational Keypad for LCD Screen
Remote Monitor/Control	1x RJ45 (10/100 Base-T) GUI-based menu via standard web browser

### OUTPUT

#### 3G/HD/SD-SDI

Connectors	1x BNC
Standards	SMPTE 424M (3G), SMPTE 292M (HD), SMPTE 259M (SD)

#### HDMI

Connectors	1x HDMI, "Type A"
Video Resolution	480i (59.94, 60 FPS); 720p (29.97, 30, 60 FPS); 1080i (59.94, 60 FPS); 1080p (29.97, 30, 59.94, 60 FPS)
Audio	Embedded PCM

#### COMPOSITE

Connectors	1x RCA for Video 2x RCA for Analog Audio (L,R)
Video Resolution	480i (59.94, 60 FPS);

#### COMPOSITE

Connectors	3x RCA for Video (Y, Pb, Pr) 2x RCA for Analog Audio (L,R)
Video Resolution	480i (59.94, 60 FPS);
Video Aspect Ratio	4:3 & 16:9

#### DIGITAL AUDIO (SPDIF)

Connectors	1x RCA
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### GENERAL

Dimensions (W x H x D)	8.7 x 2.0 x 7.6 in (221 x 51 x 193 mm)
Form Factor	Desktop (rack panel sold separately)
Weight	1.87 lbs (0.85 kg)
Shipping Weight	2.6 lbs (1.18 kg)
Power Requirements:	<b>External Power Supply</b> Input 100/120VAC, 60Hz Output +5VDC @ 2.5A
Power Dissipation	20 W
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-13 to 158 °F (-25 to 70 °C)
Operating/Storage Humidity	0 to 95% RH @ 35 °C max, non-condensing

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## I/O OVERVIEW



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