LOUROE ELECTRONICS®

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IF-PX
PoE INTERFACE POWER EXTRACTOR
FEATURES/BENEFITS SHEET

INTRODUCTION

Louroe Electronics, responding to industry needs, offers an audio oriented Power over Ethernet Extractor. With careful analysis of our customers' equipment requirements, inlcuding both analog and IP technologies, Louroe matched its technological expertise with robust compatibility. The unit's analog and IP technologies provide superior audio quality and versatility in audio and video applications

DESCRIPTION

The IF-PX provides a pluggable terminal block for connection to a Verifact Microphone or AOP Series Speakerphone, two 3.5mm stereo Audio In and Audio Out Jacks for connection to an IP camera or encoder, a terminal block for providing 12Vdc to external devices, an Audio Output Gain potentiometer, one RJ 45 Power+Data Input, one Power+Data Output, and one RJ 45 Data ONLY Output

SPECIFICATIONS

Ethernet Connectors	RJ45 CAT 5 Input and Output Jacks
Voltage Input	36V - 57V
DC Output	12 Vdc, 800mA
Power Supply (Optn.)	12Vdc, 2A, Ext. Power Supply
Connectors	RJ-45, DC Jack, Terminal Block for Microphone/Speaker, 3.5mm Audio In/Out
Audio Input/Output	Line Level
Audio Output Gain	Up to +15dB
Dimensions	6"L x 3.5"W x 2.125" H
Weight	13 oz.
Material	Black Anodized (14 gauge) Aluminum

WIRING REQUIREMENTS

Between IF-PX & Louroe Verifact Microphone:
2 Conductor shielded cable, 22 gauge with a 24 gauge drain wire.

Between IF-PX & Louroe 2-Way Speaker/Mic:
3 Conductors in the same jacket consisting of:
+2 Conductors **shielded**, 20 gauge with 22 gauge
+1 Conductor **unshieled**, 20 gauge

FEATURES	BENEFITS
■ Power to external microphones and/or Louroe AOP-SP speaker/microphones	■ Eliminates need for a power supply
■ Supports both Mode A and Mode B power options	■ Provides ease of installation for all 15W PoE standards
■ +12Vdc Ethernet power output for external equipment	■ Can be used to power both analog cameras, non-PoE IP cameras, and encoders
■ Variable gain audio output potentiometer	■ Allows varying audio input levels
■ Local auxiliary In/Out for IP cameras	■ Ease of integration with IP cameras
■ Heat sensing circuitry	■ Protects circuits from thermal overloading
■ Overload and short circuit protection	■ Protects against power surges
■ Data only RJ-45 output jack	■ Discrete data only output for non-POE IP cameras/encoders