BOARDCON
EMBEDDED DESIGN

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AHD Camera Breakout Cable

Product Brief



Boardcon Embedded Design

ODM dedicated to providing high quality
Single Board Computer and System-on-Module

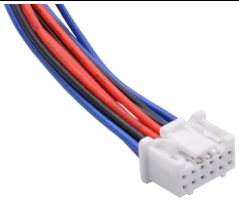
Overview

This AHD camera breakout cable assembly provides a solderless interface between a development board's camera port and AHD cameras, using a cable and push-on BNC and DC adapters for video and power connections.



Specification

System-Level Ratings	
Parameter	**Specification**
Operating Voltage	12 V DC nominal (9 ~12 V typical)
Rated Current per Contact	1 A AC/DC
Video Signal Type	AHD over composite baseband
Video Signal Level	1.0 Vp-p nominal into 75 Ω

Connector & Adapter		
Parameter		**Specification**
 **PUDP-12V-S**	**Connector series**	JST PUD series equivalent, 2.0 mm pitch, dual-row
	Current rating	1 A AC/DC
	Voltage rating	12 V DC
	Contact resistance (initial)	≤ 10 mΩ

	Insulation resistance	≥ 1000 MΩ
	Temperature range	−25 °C to +85 °C
 **BNC adapter**	**Connector type**	BNC male, straight
	Impedance	75 Ω
	Contact resistance (center)	≤ 20 mΩ typical
	Termination method	Solderless push-on / push-in
  **DC Adapter**	**Connector type**	DC barrel plug (male)
	Barrel dimensions	5.5 mm × 2.1 mm
	Polarity	Center positive
	Rated voltage	1 V ~ 36 V DC
	Rated current	1 A ~ 3 A
	Termination method	Solderless push-on / push-in