

VC SERIES UTP Video Transmission Baluns and Hubs

LONG DISTANCE VIDEO SOLUTIONS

ARM's VC Series of UTP video transmission devices are the perfect, most cost-effective choice for installations requiring long video runs. ARM baluns convert a coaxial signal allowing it to travel over UTP cabling (CAT5E) over distances of up to 1000' for color video and 1968' for B/W video, when used with the VC1632A active receiver hub color video can be transmitted up to 3200'. Baluns are offered in RJ-45, push terminal and screw terminal connection models to fit your individual installation requirements. The VC3/VC3P compact size makes them small enough to fit in most camera housings and the VC4/VC4P includes a 4" BNC cord making them ideal for use with DVR and monitor equipment. The VC1616P passive transceiver and VC1632A active receiver are rack mountable hubs for professional installations and are designed to work for systems up to 16 cameras. The ARM VC Series is feature-packed with:

Easy To Use
Easy To Upgrade
Easy On Your Budget

- Up to 3200' Transmission (VC1632A)
- RJ-45, Screw or Push Terminal Connections
- Passive, No Power Required (VC1, VC3/3P, VC4/4P, VC1616P)
- Convenient 4" BNC Cable (VC4/4P)
- Rack Mountable (VC1616P/VC1632A)



VC1 RJ-45 Model
(Screw Terminal Adapter Incl.)



VC3P Push Terminal Model
(w/4" BNC Cord - VC4P)



VC3 Screw Terminal Model
(w/4" BNC Cord - VC4)



FEATURES + BENEFITS

I Need...	VC1	VC3	VC3P	VC4	VC4P	VC1616P	VC1632A
1000' RANGE	✓	✓	✓	✓	✓	✓	✓
3200' RANGE							✓
SINGLE CHANNEL	✓	✓	✓	✓	✓		
UP TO 16 CHANNELS						✓	✓
SCREW TERMINAL CONNECTION	✓	✓		✓		✓	✓
PUSH TERMINAL CONNECTION			✓		✓		
RJ-45 CONNECTION	✓						

HIGH PERFORMANCE

Up to 3200' Range

The most cost effective way to transmit video over long distances (VC1632A).

No Power Required

Unlike amplifiers which require additional power, passive baluns and hubs can send video up to 1000' without any added power requirements.

Increased Signal Strength

Using UTP cabling and baluns provides significantly better noise reduction compared to conventional coaxial cabling.

New Push-Terminal Models

No need to carry extra screwdrivers or crimp tools up a ladder. The VC3P and VC4P are virtually tool-less compared to most baluns and require only a pair of wire cutters/ strippers for installation.

CONVENIENCE

Use Existing Wire

Baluns use UTP (CAT5E) instead of traditional Coax cabling. UTP cabling is standard in most new construction so in many cases your video cabling is already there.

Time Savings

UTP cabling is lighter, more pliable and less bulky than coaxial cable and more user-friendly during installations saving both time and money.

Multiple Connection Types

Individual ARM baluns are offered with screw terminal, push terminal and RJ-45 jack connection models to work easily on different types of installations.

Built-in Jumper Cable

The VC4 and VC4P models include a built-in 4" BNC cable which acts like a jumper cable. Their small size and BNC cable makes them perfect for use with DVR's, monitors, multiplexers and any other devices with multiple hook-ups.

TOTAL SECURITY

Future-Proof Your System

UTP (CAT5E) cabling is also used in IP systems, future proof your analog system by using baluns and UTP cable and be ready to make the move to digital without costly upgrades.

Rack Mountable

The ARM VC1616P and VC1632A are designed to work in professional rack mount applications which secures access to both the equipment and cables.

Built-in Surge Protection

Built-in surge protection keeps your cameras and other equipment safe from damaging voltage spikes.(VC1632A)

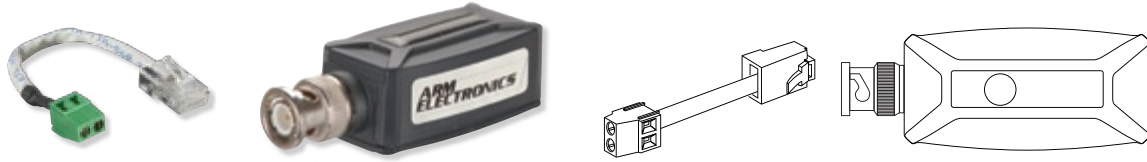
Mini, Compact-Size

The VC3 balun is ARM's smallest video transmission device. At 1.9" long and 0.6" in diameter, this super-compact balun will fit inside most camera housings.

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PRODUCT DESCRIPTION | PHOTOS | LINE ART

INDIVIDUAL BALUNS

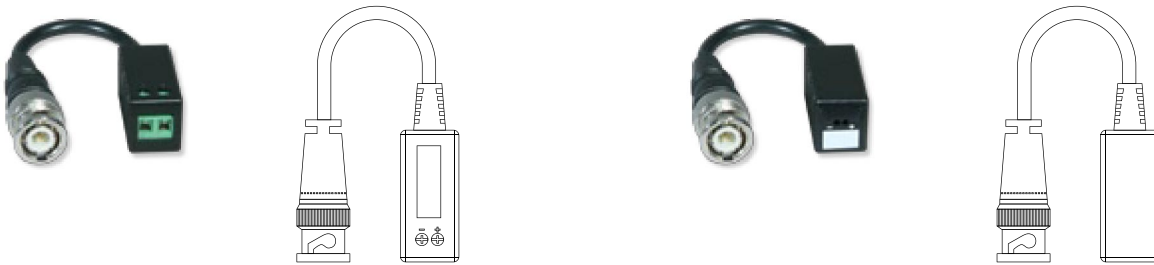


VC1
RJ-45 BALUN w/SCREW TERMINAL ADAPTER



VC3
MINI-BALUN w/SCREW TERMINAL

VC3P
MINI-BALUN w/PUSH TERMINAL



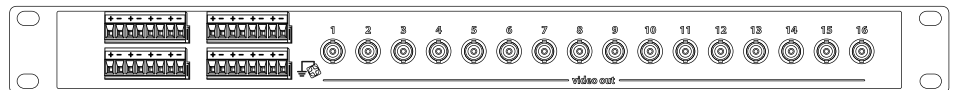
VC4
MINI SCREW TERMINAL BALUN w/4" BNC CORD

VC4P
MINI PUSH TERMINAL BALUN w/4" BNC CORD

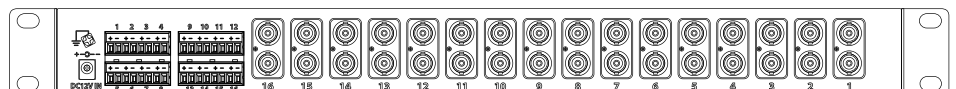
16 CHANNEL HUBS



VC1616P
PASSIVE 16 CHANNEL TRANSCEIVER



VC1632A
ACTIVE 16-IN/32-OUT RECEIVER



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TECHNICAL SPECIFICATIONS | ACCESSORIES

VC1	Model	VC1
	Video Input (BNC Connector)	1
	Video Input	1V p-p, 75 Ohms
	Cable	Twisted Pair CAT 5
	Transmission Distance	B/W: 1968' / Color: 1000'
	RJ45 Output	RJ45 Jack w/ Included Optional Screw Terminal Connector
	Power	N/A
	Dimensions: W x H x D inches	2.7" x 0.9" x 0.8"
Weight: lbs	0.1 lbs	

VC3	Model	VC3	VC3P
	VIDEO INPUT (BNC Connector)	1	1
	VIDEO INPUT	1V p-p, 75 Ohms	1V p-p, 75 Ohms
	RJ-45 OUTPUT	Twisted Pair CAT 5	Twisted Pair CAT 5
	Transmission Distance	B/W: 1968' / Color: 1000'	B/W: 1968' / Color: 1000'
	Cable	Screw Terminal	Push Terminal
	Power	N/A	N/A
	Dimensions: W x H x D inches	1.9" x 0.6 x 0.57"	2.4" x 0.7" x 0.6"
Weight: lbs	0.04 lbs	0.08 lbs	

VC4	Model	VC4	VC4P
	VIDEO INPUT (BNC Connector)	1	1
	VIDEO INPUT	1V p-p, 75 Ohms	1V p-p, 75 Ohms
	RJ-45 OUTPUT	Screw Terminal	Push Terminal
	Transmission Distance	B/W: 1968' / Color: 1000'	B/W: 1968' / Color: 1000'
	Cable	Twisted Pair CAT5 (AWG24)	Twisted Pair CAT5 (AWG24)
	Power	N/A	N/A
	Dimensions: W x H x D inches	5.7" x 0.6" x 0.57" (w/ 4" mini coax cable)	5.7" x 0.6" x 0.57" (w/ 4" mini coax cable)
Weight: lbs	0.04 lbs	0.04 lbs	

VC1616P / VC1632A	Model	VC1616P	VC1632A
	Video Input Port (Terminal Block)	16 Port	16 Port
	Video Output Port (BNC Connector)	16 Port, 1Vp-p, 75 ohms	32 Port, 1Vp-p, 75 ohms
	Recommended Cable	CAT 5 Cable 4 Pairs (24 AWG)	
	Transmission Distance	B/W: 1968' / Color: 1000'	Color 1968' (using passive balun)
	Connection	Terminal Block	
	Power Input	N/A	12VDC 500mA
	Power Consumption	N/A	12VDC 1Amp
	Dimensions: W x H x D inches	19" x 6.7" x 1.7"	
	Weight: lbs	4.9 lbs	6.0 lbs
Material	Metal (Black)		
Operating / Storage Temperature	32° to 131°F / -4° to 185°F, Humidity: up to 95%		

HIGH QUALITY CABLE



CAT5E1KBLUE
Blue 1000'
Bulk CAT5E
Cable

CAT5E1KG
Gray 1000'
Bulk CAT5E
Cable

BULK CAT5E CABLE	Outer Jacket	Conductor
	Flame Retardant PVC	8 Conductors
	UL/CM Rating	Solid Copper
	5.1mm Nominal OD	0.51+0.01mm
	Gray or Blue Color	Conductor Insulation
	Impedance	Polyolefin
	1.0-100MHZ: 100+/-15 OHMS	1.60mm Nominal OD
	100-200MHZ: 100+/-25 OHMS	Packing
200-350MHZ: 100+/-35 OHMS	1000' Pull Box	

