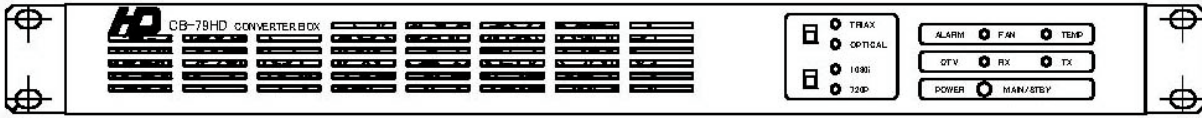


CB-79HD Converter Box Operation Guide

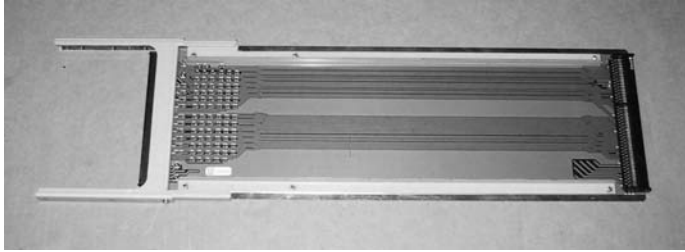
Rev. 1.2

1. Accompaniment

(A) CB-79HD with 19 inch Rack Mount Adaptor



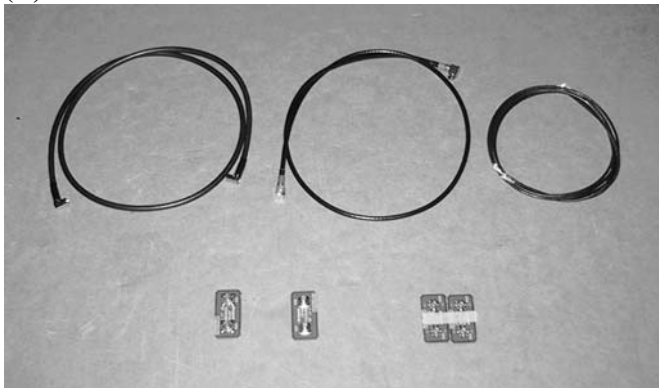
(B) Test Extender Board



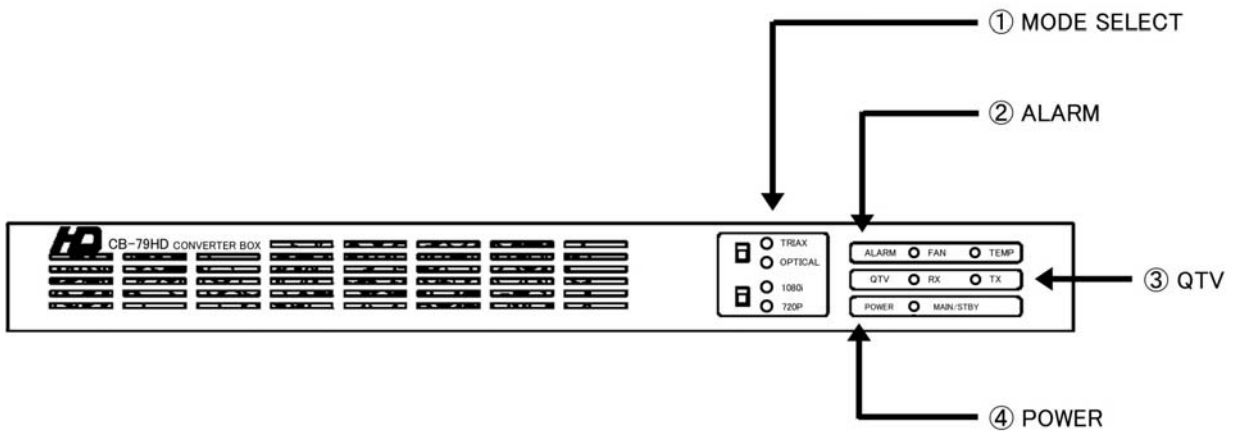
(C) SCAN CONT CABLE



(D) RF Extension Coax Cable and J-J Board



2. Front View



(1) MODE SELECT Switch & Indicator

TRIAx	TA-79HD and TRIAX cable operation
OPTICAL	FA-79 and Optical Fiber cable operation
1080I	Camera head format (HDK-79E)
720P	Camera head format (HDK-720P/725P)

(2) ALARM Indicator

FAN	FAN alarm indicator
TEMP	Temperature alarm indicator

(3) Q-TV Indicator

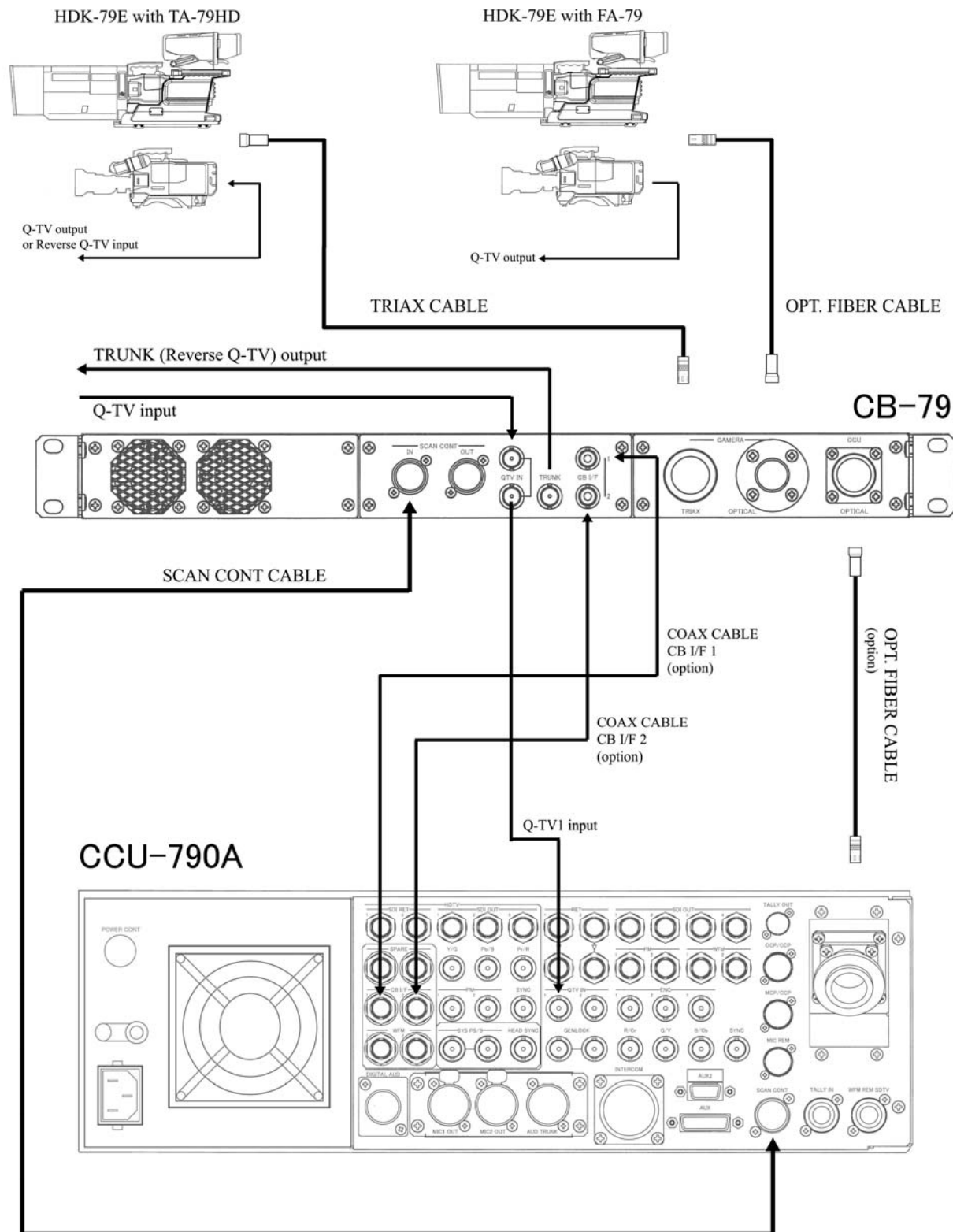
RX	Reverse Q-TV mode (Camera Head to CCU)
TX	Q-TV mode (CCU to Camera Head)

(4) POWER Indicator

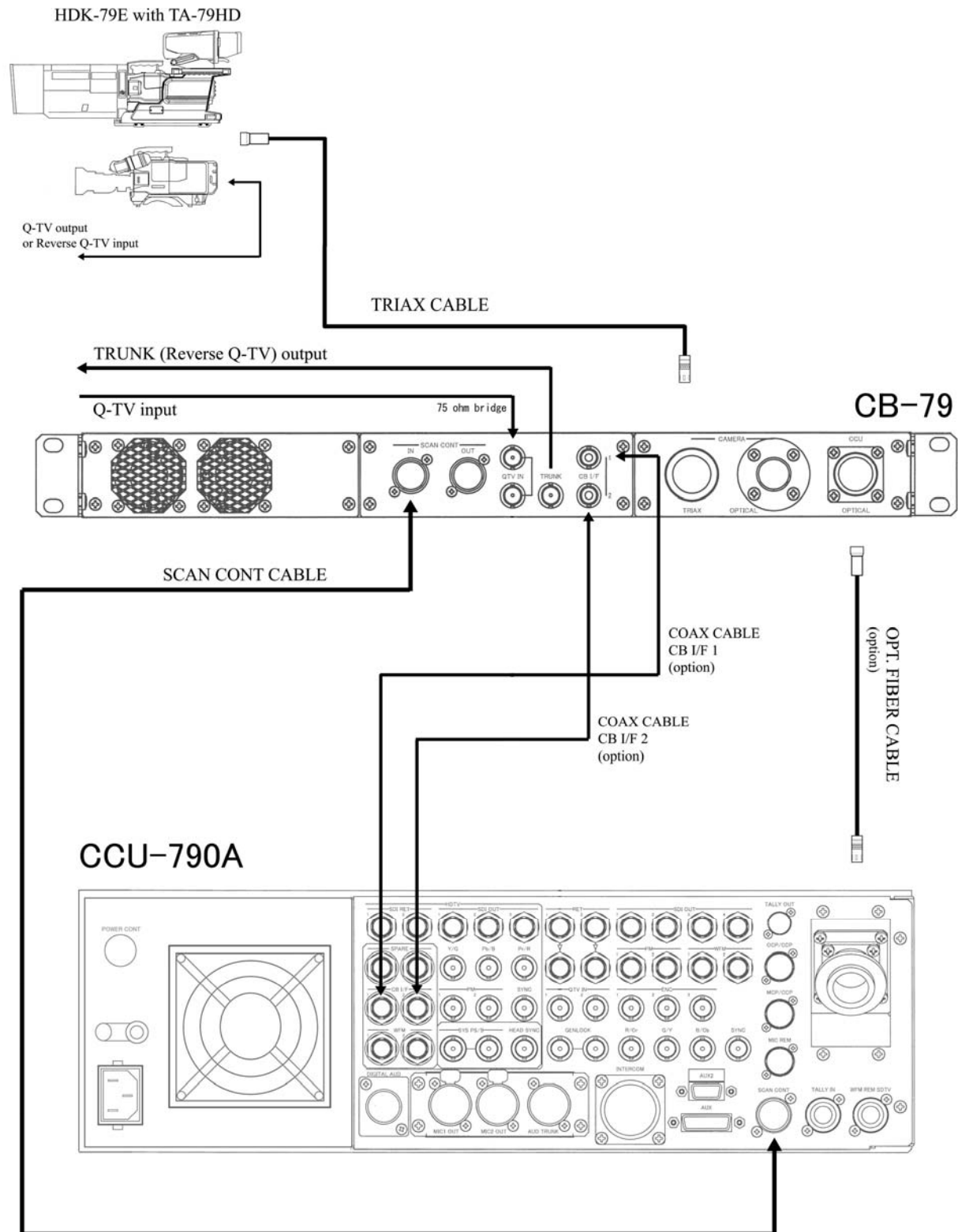
GREEN	Camera Head Power is ON
RED	Camera Head Power is standby mode

TA-79HD/CB-79HD Cable Connection Diagram

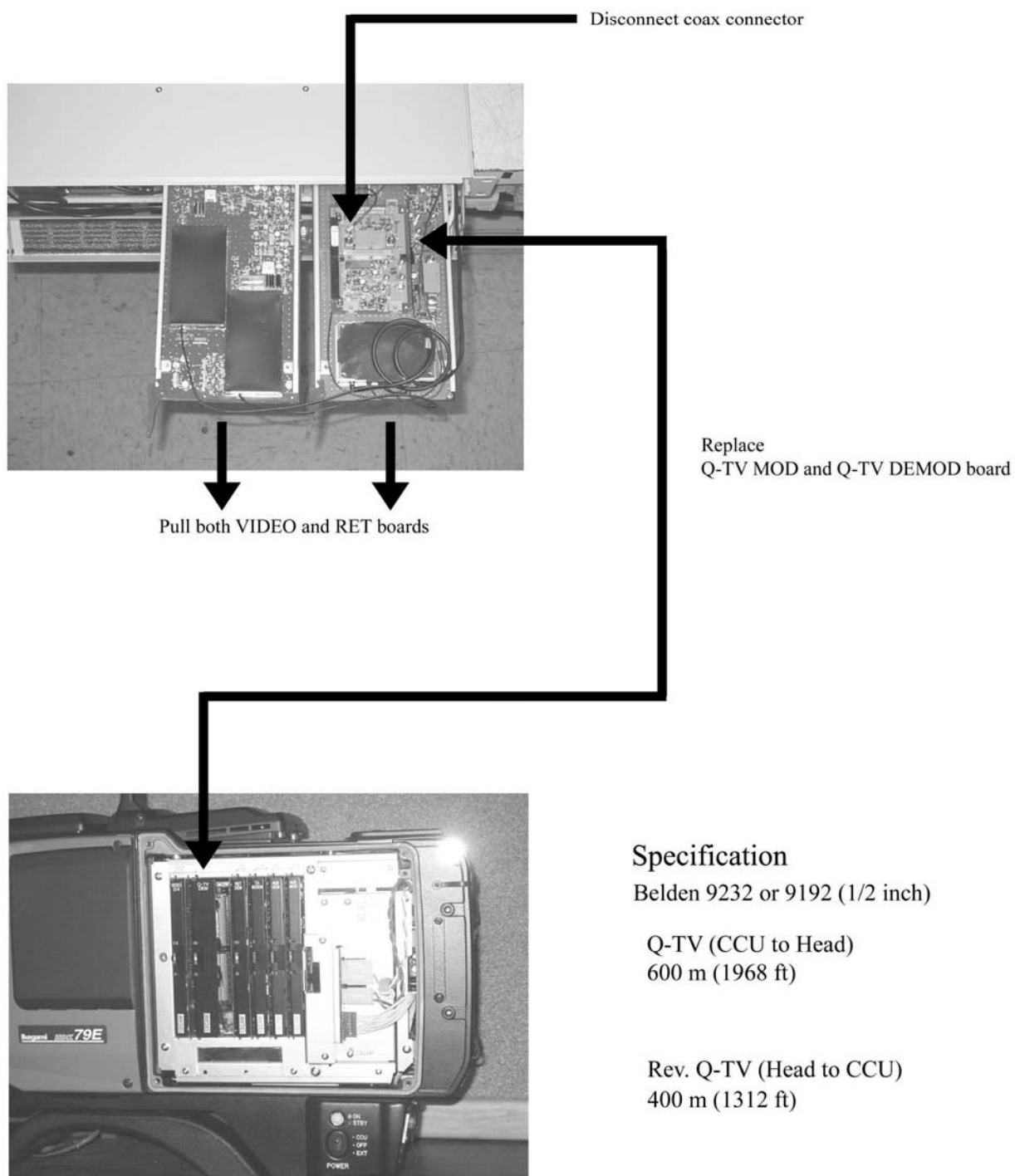
#1. TA & FA SYSTEM



#2. TA only



TA-79HD/CB-79HD Reverse Q-TV Operation



* By the cable which has not deteriorated.

TA-79HD & CB-79HD Rating

1. TA-79 HD TRIAX ADAPTOR

1) Input Signals

External Sync Signal	SYNC 0.6Vpp +6 or -6dB
Microphone	-60 dB to -40 dB / -20 dB 600 ohm 2 channels (XLR)
Intercom	-10 dBs / -50 dBs 2 channels (ENG/PROD)

2) Output Signals

HD SDI Signal	Serial Digital 1 channel
RETURN Video Signal	HD Analog Signal 1 channel 75 ohm
Q-TV signal	VBS 1 channel 75 ohm
Intercom	0 dBs 2 channels (ENG/PROD)
Program Audio signal	0 dBs 2 channels (PGM-1/PGM-2)

3) Power Supply

Voltage	DC +11 V to +16 V
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4) Weight

Weight	3.0 Kg
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5) Environment Condition

1. Operational Condition

Temperature	-20C ~ +45C
Humidity	30% ~ 90% (Dew decondensation)

2. Preservative Temperature

-30C ~ +60C

2. CB-79HD Converter Box

1) Input Signals

Q-TV signal	VBS 1 channel 75 ohm bridge
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2) Weight

Weight	9.0 Kg
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3) Environment Condition

1. Operational Condition

Temperature	0C ~ +45C
Humidity	30% ~ 90% (Dew decondensation)

2. Preservative Temperature

-30°C ~ +60°C

3. Transmission Signals

(1) TRIAX ADAPTOR to CONVERTER BOX

Y / Pb / Pr signals

ENG / PROD Intercom signals

Microphone signals

(2) CONVERTER BOX to TRIAX ADAPTOR

RETURN Video signal (HD analog Y)

Q-TV signal (SD analog)

ENG / PROD Intercom signals

Program Audio Signals

4. Performance

(1) Frequency Band Width

Y 30 MHz, Pb 15 MHz, Pr 15 MHz

(2) Transmission Distance (* By the cable which has not deteriorated.)

Line Video and Return Video signals	150m to 1000m (Belden 9192 or 9232 13.2mm)
	492ft to 3280ft (Belden 9192 or 9232 13.2mm)
	75m to 500m (Belden 9267 9.2mm)
	246ft to 1640ft (Belden 9267 9.2mm)

Q-TV (CCU to Camera Head)

150m to 600m (Belden 9192 or 9232 13.2mm)
492ft to 1968ft (Belden 9192 or 9232 13.2mm)
75m to 300m (Belden 9267 9.2mm)
246ft to 984ft (Belden 9267 9.2mm)

Reverse Q-TV (Camera Head to CCU)

150m to 400m (Belden 9192 or 9232 13.2mm)
492ft to 1312ft (Belden 9192 or 9232 13.2mm)
75m to 200m (Belden 9267 9.2mm)
246ft to 656ft (Belden 9267 9.2mm)

5. Use Condition

Daily use range (Excluding heavy electric appliance community, a strong magnetic field).