

Camera adapter / Base station

AT-4820/AR-4821 **NEW**



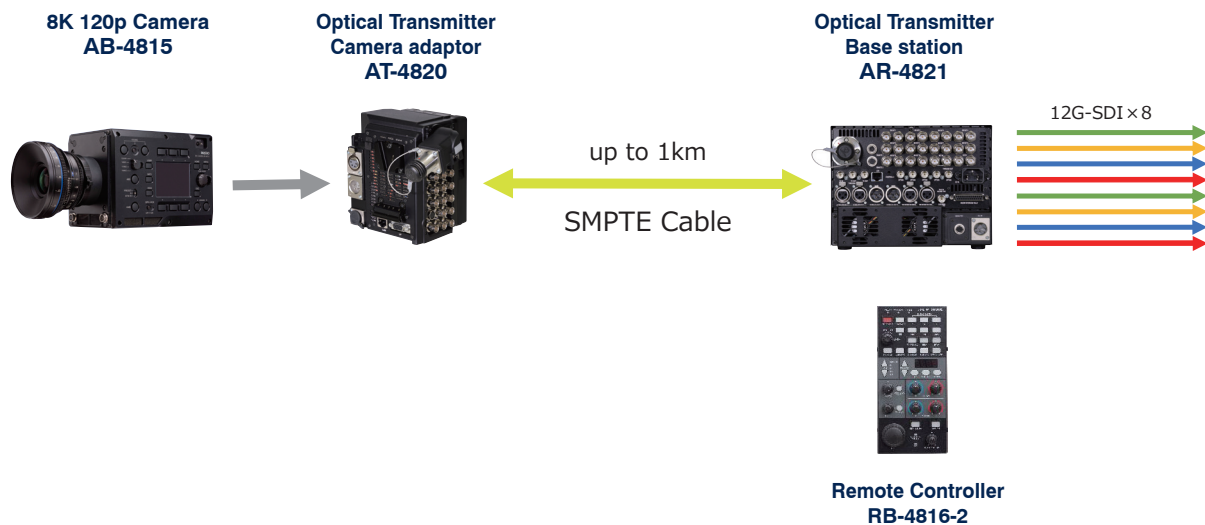
The signal of various devices such as the signal of the shoulder type and the handy type camera recorder is transmitted by the optical fiber cable.

A single optical fiber cable enables long-distance transmission of camera video signals, microphone audio, AES/EBU, return signals, tally signals, intercams, camera remote controls, genlock signals, and LANs required for system cameras (studios).

OUR SOLUTIONS

Configuration of 8K camera optical fiber transmission system

120p LIVE SHOOTING



Specifications

AT-4820 Camera adaptor

| Input | |
|---|---|
| SDI Input | SDI IN 1-10: BNC × 10 12G-SDI/6G-SDI/3G-SDI/SD-SDI |
| TC Input | TC IN: DE-15 Connector (female) × 1* |
| Output | |
| SDI Return Output | SDI RET OUT: BNC × 1 12G-SDI/6G-SDI/3G-SDI/SD-SDI |
| B.B Output | GENLOCK OUT: BNC × 1 |
| TC Output | TC OUT: BNC × 1 |
| | TC OUT: DE-15 Connector (female) × 1* |
| DC Power | |
| DC Input | Via OPT Cable from Base Station AR-4821 |
| | BATTERY: V-mount × 1 for V-mount Battery |
| | DC 12V IN: XLR 4P (male) × 1 |
| DC Output | DC 15V OUT: V-mount × 1 for Camera |
| | DC 15V OUT: XLR 4P (female) × 1 |
| | DC 15V OUT: CAMTAP × 2 |
| DC Power Output Max. | Approx. 170W when connecting with AR-4821. * Output may be limited due to conditions such as load and input. |
| *AR-4821 cannot supply DC power to AT-4820 during DC drive. | |
| Audio | |
| Audio Input | AES IN: DE-15 Connector (female) × 1* |
| | CA IN 1/2: DE-15 Connector (female) × 1 -20dBm, unbalance* |
| Audio Output | AES OUT: DE-15 Connector (female) × 1* |
| | PGM OUT 1/2: DE-15 Connector (female) × 1 -20dBm, unbalance* |
| Intercom | |
| Intercom Headset | INTERCOM: XLR 4P (male) |
| Tally | |
| Tally Indicator | (Side connector panel) RED TALLY × 1, with Hi/Lo/OFF Switch |
| Remote | |
| Remote Connector | REMOTE 1: 8P × 1 RS-422/RS-232 Switch automatically when connecting cables. |
| | REMOTE 2: 12P × 1 RS-422/RS-232 Switch automatically when connecting cables. |
| LANC Connector | LANC: DE-15 Connector (female) × 1 |
| LAN Connector | LAN: RJ45 × 1 1Gbps |
| Optical Fiber Cable | |
| Socket | LEMO (Default) or Tajimi (Option) |
| Maximum Distance | Approx. 2km (1.25 miles) DC power is supplied from the base station via optical fiber cable. Depending on the cable you use, the distance may be shorter. For 12G-SDI approx. 1km. |
| General Specifications | |
| Power Requirement/Power Consumption | (DC Operation) DC IN: DC 12V/Approx. 20W MAX. |
| Operating Temperature Range | 0°C to +40°C (+32°F to +104°F) |
| Dimensions | 151 (W) × 148 (H) × 115 (D) mm (Excluding Protrusions) |
| Weight | Approx. 1.5kg |

* DE-15 connector is shared with AUDIO-CA IN 1/2, AUDIO-PGM OUT 1/2, AES IN, AES OUT, LANC, TC IN, and TC OUT.

Specifications

AR-4821 Base station

| Output | | |
|---|--|---|
| SDI Output | SDI IN 1-10: BNC × 2 × 10 Each two outputs 12G-SDI/6G-SDI/3G-SDI/SD-SDI | |
| TC Output | TC OUT: BNC × 1 | |
| | TC OUT THROUGH OUT: BNC × 1 TC IN input signal through output | |
| Input | | |
| SDI Return Input | SDI RET IN: BNC × 1 12G-SDI/6G-SDI/3G-SDI/SD-SDI | |
| B.B Input | GENLOCK IN: BNC × 1 VBS | |
| TC Input | TC OUT: BNC × 1 | |
| DC Power | | |
| DC Input | DC IN (4: +12V 1: GND): XLR 4P (male) × 1 | *AR-4821 cannot supply DC power to AT-4820 during DC drive. |
| DC Output | via OPT Cable to Camera Adaptor AT-4820 | |
| DC Power Output Max. | Approx. 200W * Output may be limited due to conditions such as load and input. | |
| Audio | | |
| Audio Input | AES EBU-PGM IN: XLR 3P (female) × 1 | |
| | AUDIO-PGM IN 1/2: XLR 3P (female) × 2 +4dBm/0dBm | |
| Audio Output | AES EBU-CA OUT: XLR 3P (male) × 1 | |
| | AUDIO-CA OUT 1/2: XLR 3P (male) × 2 | |
| Intercom | | |
| Intercom Headset | INTERCOM PROD/ENG: XLR 3P (female) × 2 | |
| | 4W/2W INTERCOM TALLY: DB-25 Connector × 1 | |
| Intercom Headset | HEADSET: XLR 4P (male) × 1 | |
| Tally | | |
| Tally signal Input | TALLY IN: BNC × 1 VOLTAGE TYPE/2-4V GREEN/4.1-5V RED | |
| | 4W/2W INTERCOM TALLY: DB-25P × 1 | |
| Remote | | |
| Remote Connector | REMOTE 1: 8P × 1 RS-422/RS-232 Switch automatically when the AT-4820 is cabled. | |
| | REMOTE 2: 12P × 1 RS-422/RS-232 Switch automatically when the AT-4820 is cabled. | |
| LANC Connector | LANC: 2.5 φ × 1 | |
| LAN Connector | LAN: RJ45 × 1 1Gbps | |
| Optical Fiber Cable | | |
| Plug | LEMO (Default) or Tajimi (Option) | |
| Maximum Distance | Approx. 2km (1.25miles) | |
| | DC power is supplied to the camera adapter via a fiber optic cable. Depending on the cable you use, the distance may be shorter. For 12G-SDI approx. 1km. | |
| General Specifications | | |
| Power Requirement/ Power Consumption | (AC Operation) AC IN: AC 85-240V (DC Operation) DC IN: DC 12V/Approx. up to 40W | *AR-4821 cannot supply DC power to AT-4820 during DC drive. |
| Operating Temperature Range | 0°C to +40°C (+32°F to +104°F) | |
| Dimensions | 215(W) × 160(H) × 317(D)mm (Excluding Protrusions) | |
| Weight | Approx. 5kg | |