

# AQ-23W†

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**3CCD FIT Digital Signal Processing Camera**  
**16:9/4:3 Switchable**

**AQ-23WU : AQ-23W with AQ-CA56 Optical Fibre Camera Adaptor**  
**AQ-23WM: AQ-23W with AQ-CA51 Multi-Core Camera Adaptor**

**3CCD**  
**DIGITAL**



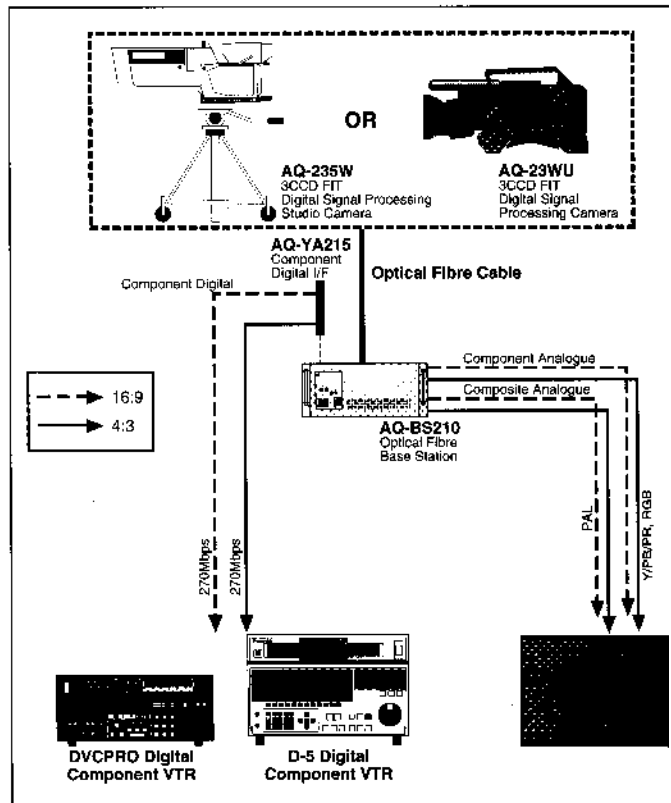
- Switchable 16:9/4:3 aspect ratio
- Three densely-packed 600,000-pixel wide-type multiple-FIT CCD image sensors
- Sharp details and smooth gradation (1,024 steps) achieved by 18-MHz sampling
- 10-bit digital conversion and 36-MHz 16-bit digital signal processing
- Flesh-detail circuit

- Chroma-detail correction, dark-detail, a 2-dimensional cross colour filter, thin-detail, dynamic-detail, dynamic-colour, variable colour matrix and other advanced digital circuits enhance picture quality.
- Digital set-up allows numerical adjustment of parameters, and 16 scene files can be stored in IC card memory
- Sixteen lens files simplify adjustments when changing lenses
- Electronic shutter with speeds of 1/60, 1/100, 1/250, 1/500, 1/1000 and 1/2000 sec., plus variable control between 1/25 to 1/230 sec. (variable)
- Linking the camera head and base station with optical-fibre cable provides quality-intact digital signal transmission over long distances (with AQ-CA56)

## Optional Accessories for AQ-23W

<b>AQ-CA51</b> Multi-Core Camera Adaptor	<b>AQ-CA56†</b> Optical Fibre Camera Adaptor	<b>AQ-RC50†</b> Remote Control Unit (R.C.U.)	<b>AQ-MA50</b> R.C.U. Rack Mount Adaptor	<b>AQ-MC210</b> Master Control Unit (M.C.U.)
<b>AQ-CS210</b> Camera Select Unit (C.S.U.)	<b>AQ-BS210†</b> Optical Fibre Base Station	<b>AQ-RC210</b> Remote Control Operation Panel (R.C.O.P.)	<b>AQ-EC1</b> Extension Control (E.C.U.)	<b>AQ-VF16†</b> 1.5" Electronic Viewfinder
<b>AJ-VF53†</b> 5" Electronic Viewfinder	<b>AQ-YA215†</b> Component Digital Interface for AQ-BS210 (BNC x 3, 270Mbps)	<b>SHL-C50PT3L</b> Optical Fibre Cable 50 m/LEMO 3K	<b>SHL-C100PT3L</b> Optical Fibre Cable 100 m/LEMO 3K	<b>AJ-MC700</b> Microphone
<b>AJ-MH700</b> Microphone Hoister	<b>AJ-MA34H</b> Rack-Mount Adaptor for AQ-BS210			

## System Configuration



## AQ-23W

Pick-up Device Type:	Multiple Frame interline Transfer
Picture Element:	2/3" CCD image sensor (x3)
Drive Frequency:	600,000 pixels
Processing Frequency:	18.0MHz
Lens Mount:	36.0MHz
Sensitivity:	Bayonet mount type
Minimum Illumination:	2,000 lux, 3,200K, F8.0
S/N Ratio:	Approx. 7 lux (at F1.4, +18dB)
Registration:	60dB (typical)
Horizontal Resolution:	Less than 0.05% over entire screen (excluding lens)
Dynamic Range:	700 lines (centre/16:9)
Shutter Speed:	800% (typical/16:9)
Lens File:	1/60; 1/100; 1/250; 1/500; 1/1000; 1/2000 sec. (6-step)
Detail Frequency:	1/25 ~ 1/230 sec. (variable)
Power Requirement:	16 files
Power Consumption:	2.5MHz to 5.5MHz (5-step)
Dimensions (W x H x D):	12V DC (10.8V to 17V)
Weight:	16W (without lens and viewfinder)
Operating Temperature:	130 x 273.5 x 320 mm
Operating Humidity:	2.8 kg
Optical Filter:	-20°C to +45°C
CC:	35% to 80%
ND:	Dual Concentric Filter Wheels
	CROSS 3,200K, 4,300K, 6,300K
	10%, 25%, 6.3%, 1.6%