

Ikegami

HL-790A

Full-scaled studio/portable color camera
holding all the HL-79A performances



Ikegami HL-790A Full-scaled studio/portable color camera

The Ikegami HL-790A is an innovative color camera offering multipurpose applications. It fully answers today's broadcasting requirements which include programming variation and advancement.

By installing the highly reputed HL-79A portable camera in the housing, the HL-790A becomes a full-scale studio camera operated in combination with the base station MA-79. A lens most appropriate for the purpose can be mounted.

When necessary, by demounting the HL-79A from the housing, hand-held operation is possible within 5 minutes.

Shoot in the studio, on location, and back in studio again with outstanding setup ease and rapidity, and without sacrificing picture quality.

FEATURES

* VARIOUS LENSES MOUNTABLE

2/3" ENG lens, EFP lens and high magnification zoom lens are mountable. The lens housing is available for ENG lens and high magnification zoom lens. 1" zoom lenses can be mounted as an optional function.

* 6" VIEWFINDER

6", diagonal, viewfinder is tiltable, making it more convenient for any framing situation.

Viewfinder indicators: tally, white balance.

* WIDE REMOTE-OPERATION RANGE

Distance to the base station is extendible up to 300m, broadening the camera remote-operation range.

* VF signals (R, G, B, -G, ENC, RET) are selectable on the housing rear panel.

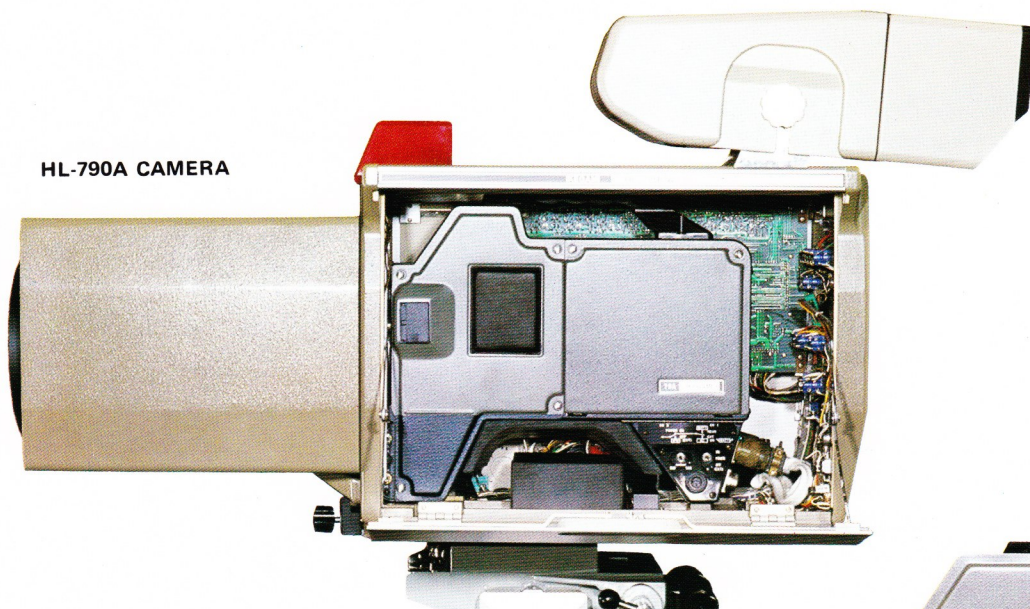
* Test signals and bar signals can be switched over on the housing rear panel.

* Two INCOM circuits are provided — one for an engineer and one for a producer.

* From the base station the following functions can be controlled:

1. CAMERA OPERATE, CAL/CAM/BAR
2. IRIS OPEN-CLOSE
3. MASTER PEDESTAL
4. R. B GAIN
5. R. B PEDESTAL
6. R. B H-CENT
7. R. B V-CENT
8. TALLY CALL

HL-790A CAMERA



HL-79A CAMERA HEAD



SYSTEM & COMPONENTS

1. HL-790A camera head

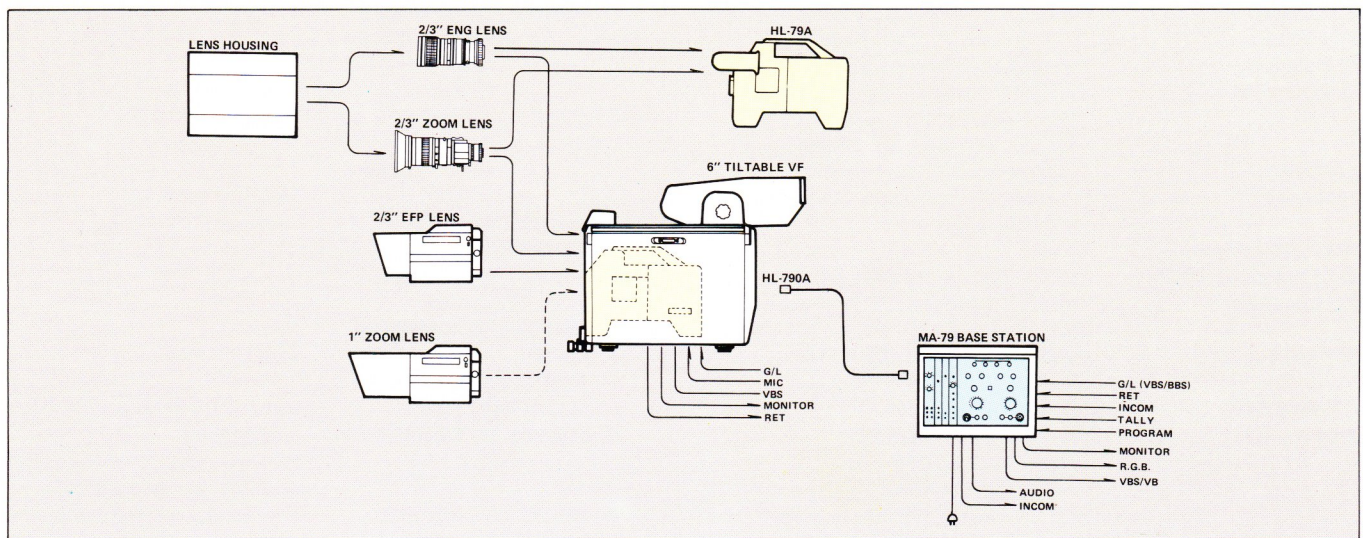
- (1) HL-79A color T.V. camera
- (2) Housing
- (3) 6" viewfinder (with hood)
- (4) Tripod mount adaptor (for 2/3" lens)
- (5) Tripod mount adaptor (for 1" lens)

2. HL-790A base station (MA-79)

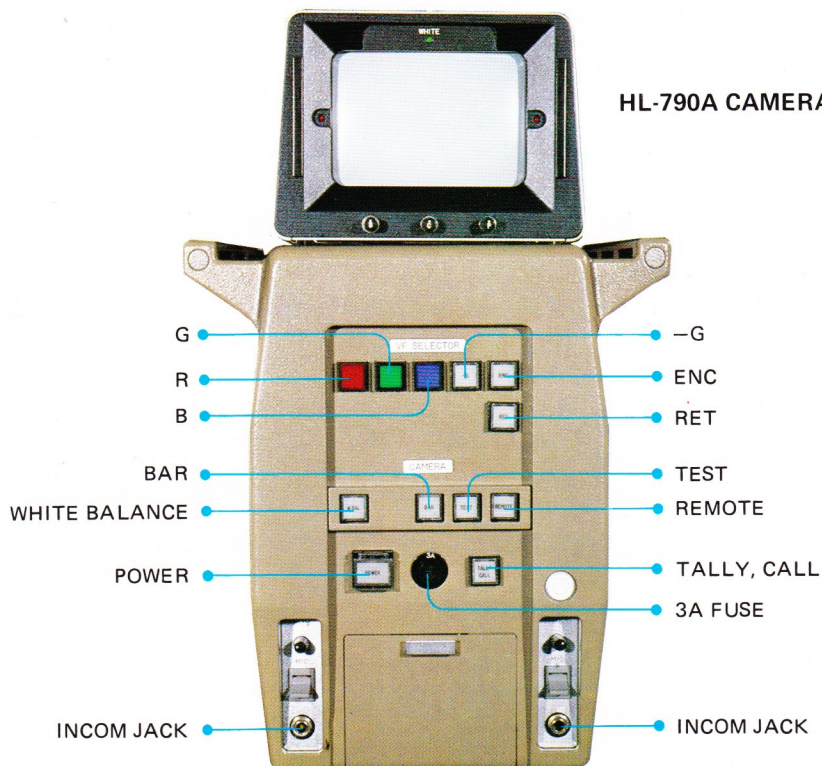
3. 39 core multi-conductor cable.

4. Other accessories

- (1) Various zoom lens
 - 2/3" high magnification zoom lens
 - 2/3" ENG lens
 - 2/3" EFP lens
 - 1" Zoom lens
- (2) Lens housing
- (3) Lens support (for 2/3" high magnification zoom lens)
- (4) Light path adaptor (for 1" zoom lens)



HL-790A CAMERA REAR SIDE



BASE STATION (MA-79)



SPECIFICATIONS

RATING

1. **INPUTS (BASE STATION)**
 - (1) **EXTERNAL SYNC** VBS 1.0V(p-p)/BBS 0.45V(p-p), 75 ohm, positive
 - (2) **RETURN** VBS/VS 1.0V(p-p), 75 ohm, positive
 - (3) **INTERCOM** 2-wire/4-wire selectable, -10dBm, 600 ohm, balanced
 - (4) **TALLY** DC +24V or contact closure
 - (5) **PROGRAM** -20dBm, 600 ohm, balanced
2. **INPUTS (HEAD)**
 - (1) **EXTERNAL SYNC** VBS 1.0V(p-p)/BBS 0.45V(p-p), 75 ohm, positive
 - (2) **MIC** -50 ~ -70 dBm, balanced
3. **OUTPUTS (BASE STATION)**
 - (1) **COMPOSITE VIDEO** VB 0.85V(p-p), VBS 1.0V(p-p), 75 ohm, positive, 2 outputs
 - (2) **R VIDEO** V 0.7V(p-p), 75 ohm, positive
 - (3) **G VIDEO** V 0.7V(p-p), 75 ohm, positive
 - (4) **B VIDEO** V 0.7V(p-p), 75 ohm, positive
 - (5) **MONITOR** VS/VBS 1.0V(p-p), 75 ohm, positive, 2 outputs ENC, B-G, R-G, R, G, B, SEQ, RG, BG, SUPER
 - (6) **AUDIO** -20 dBm, 600 ohm, balanced
 - (7) **INCOM** 2-wire/4-wire selectable, -10 dBm, 600 ohm, balanced
4. **OUTPUTS (HEAD)**
 - (1) **COMPOSITE VIDEO** VBS 1.0V(p-p), 75 ohm, positive
 - (2) **MONITOR** VBS/VS 1.0V(p-p), 75 ohm, positive
 - (3) **RETURN** VBS/VS 1.0V(p-p), 75 ohm, positive
5. **VIEWFINDER** 6 inch diagonal
6. **ZOOM LENS**
 - (1) 2/3 inch ENG lens
 - 2/3 inch EFP lens
 - 2/3 inch zoom lens
 - (2) 1 inch zoom lens (optional function)
7. **POWER** AC 100/120V or 220/240V, 180VA (cable length 300m)
8. **AMBIENT TEMPERATURE** -20°C ~ +50°C (-4°F ~ +122°F)

9. DIMENSIONS

HOUSING (excl. lens, VF): 220(W)x329(H)x470(D) mm
8.7(W)x13.0(H)x18.5(D) inch

BASE STATION: 220(W)x182(H)x350(D) mm
8.7(W)x7.2(H)x13.8(D) inch

10. WEIGHT

HOUSING (INCL. HL-79A, VF, EXCL. LENS) 22 kg. (48.4 lbs.)

BASE STATION 12 kg. (26.5 lbs.)

PERFORMANCE

1. **RESOLUTION** Center: 500 TV lines or better
Corners: 400 TV lines or better
2. **DEFLECTION DISTORTION** All picture area: less than 1.5%
3. **REGISTRATION**
 - ZONE 1** (Within a circle having a diameter equal to 80% of picture height) Less than 0.1%
 - ZONE 2** (Within a circle having a diameter equal to picture width) Less than 0.2%
 - Zone 3** (Outside of Zone 2) Less than 0.5%
4. **SENSITIVITY** (Using 2/3" lens for ENG Camera)

STANDARD ILLUMINATION	2,000 lux F5.0
LOW LIGHT LEVEL ILLUMINATION	20 lux F1.4 (+18dB Video Gain)
5. **SIGNAL TO NOISE RATIO** 54 dB typical
(Gamma: off, Detail Correction: off, Band width: 4.5MHz)
6. **STABILITY AGAINST POWER VOLTAGE FLUCTUATION** The camera operates stably even when power supply voltage fluctuates within the range of $\pm 10\%$ of the rated value.

* As to other specifications, refer to the catalogues for HL-79A and MA-79.

All specifications are subject to change without prior notice.

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