

## Multi-core Base Station

# MA-400/400CP



The MA-400 is a newly designed Base Station to connect the HC-400/400W, the HL-45/45W camera and the VF5045W 5" viewfinder by a 19-cores (26 pins) camera cable so that the camera can be operated at distance of up to 300 meters. ( Model MA-400CP has a Control Panel on its front.)

Optional SDI(D1) output and QTV functions are available.

This unit allows to use the camera in a studio or a field or as a monitoring camera, widening the range of applications.

# MA-400/400CP Multi-core Base Station

## ■ Main Features

- **Camera cable length up to 300 meters:** This unit can be extended up to 300 meters in spite of using a slender camera cable.
- **Fully Remote Control Functions:** Besides that you can call a scene file by a switch on the front panel, most of functions in the HC-400/400W, HL-45/45W cameras can be remotely controlled.
- **Variety of Remote Control Units available:** RM-11, RM-45, OCP-45, RM-50 etc are optionally available on the purpose of your applications.
- **Wide Range Video Transmission:** A video signal from the camera will be maintained as the wide range and transmitted to this unit so that the video signals (VBS, RGB, Component) from this unit may be obtained at the high quality.
- **Cable Compensating Circuit:** In addition that the transmission loss of high frequency component and the lowered level due to the camera cable can be compensated, both a RET video and a QTV signal from this unit to the camera can be cable-compensated.
- **2-channels RET Video:** two(2) channels of the return videos available.
- **Intercom System:** It meets with 2-wires, 4-wires or RTS. A headset provided with a popular XLR type connector.
- **Optional QTV Functions:** By connecting a monitor (12V, max 60W) to the camera, the prompter video can be displayed. In this application, maximum camera cable length is 100 meters.
- **Optional SDI(D1) Output:** Two(2) systems of the component digital signals that meet with SMPTE 125M/259M can be outputted from this unit.

## ■ Ratings/Performance

### ■ Video Signal:

VBS Output Signal:	VBS 1.0Vp-p, 75ohm 2ch
Component Output Signal:	Y: 1.0Vp-p 75 ohm Pr:0.486/0.525/0.7/0.756Vp-p Pb:0.486/0.525/0.7/0.756Vp-p
YC Output signal:	Y:1.0Vp-p 75ohm C:0.286Vp-p 75ohm
RGB Output Signal:	0.7Vp-p, 75ohm (select one of Component, YC or RGB signal. No SDI output when YC is selected.)
SYNC Output Signal:	3.0Vp-p, 75ohm
RET Video Input Signal:	1.0Vp-p 75ohm 2ch, Bridge connection

### ■ Cable Compensating:

Cable Compensating SW	Selectable 10m, 30m, 50m, 100m, 150m, 200m, 250m, 300m
Fine Adjustment:	Level and chroma key adjust.

### ■ Audio Signal:

Audio Output Signal:	0dBm, 600ohm, 1ch
Intercom	2wires, 4wires, RTS selectable
Common/Private Select:	Possible
Intercom Mic ON/OFF:	Possible
Earphone Level:	Adjustable
Program Audio IN Signal:	0dBm, 600ohm
Program Audio Level:	Adjustable

### ■ Tally:

Input:	Contact or Power (5V ~ 24V)
Indication:	R tally and G tally

### ■ Call Switch:

Provided

### ■ Genlock:

Genlock Input Signal:	VBS 1.0Vp-p 75ohm or BBS 0.45Vp-p 75ohm bridge-conn.
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SC Frequency Sync Range:	In a rated frequency +/-30Hz
H Frequency Sync Range:	In a rated frequency +/-0.2Hz
H. Phase Adjustment Range	1.5 ~ 3u seconds
SC Phase Adjustment Range	0' ~ 180'

■ QTV Signal Input:	1.0Vp-p 75 ohm, bridge connection
■ SDI Signal Output:	0.8Vp-p 75ohm, 2ch

### ■ Power:

Power Voltage:	100/120/200/240VAC, Auto-selection
HV Regulation:	+/-10%
Power Frequency:	50/60Hz
Power Consumption:	Approx. 250VA

### ■ Operating Temperature:

0 ~ 40°C

### ■ External Dimensions:

Approx. 421(W)x88(H)x350(D)  
in mm

### ■ Weight:

Approx. 7kg (15.4 lbs)

### ■ Standard Accessories:

Fuses + AC Cord  
Rackmount Metals  
Operation Manual

### ■ Optional Accessories:

SDI-400 SDI(D1) Module  
CA-450 Camera Adaptor  
CA-450Q Camera Adaptor  
(with QTV function)  
MOD-450-1 ChromaKey  
Variety of Remote Controls  
RM-11/45/50, OCP-45 etc  
MCC-XX Camera Cable  
RC10-XX Remote Cable  
Service Manual

These specifications are subject to change without notice.

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