

## Sophisticated Camera Control

### MCP-300

#### Network Master Control Panel

The MCP-300 is a newly designed network master control panel for use with not only Ikegami's conventional ICCP control and Arcnet based control, but also Ethernet based control, allowing customers the flexibility to choose the camera control system based on their needs. As a master control panel, it provides simultaneous operation for up to 10 cameras, moreover up to 100 cameras can be selected (10 cameras x 10 groups). The MCP-300 also supports PoE, Powering over Ethernet, so a separate power supply is not necessary.

#### ● Large Touch Screen LCD

The MCP-300 provides a large 7-inch LCD touch screen GUI allowing an operator not only the ability to control cameras as did previous master control panels, but also in depth access to monitor and maintain camera settings.

#### ● Illuminated Control Panel

The name of each function switch on the MCP-300 is illuminated, allowing use in a dark environment.

#### ● User Customize Functions

The MCP-300 provides four switches above the LCD screen which can be custom assigned, also the user is free to customize function items to be assigned to the UP/DOWN Select Switches. The Control Depth can be set (with password protection), permitting the user to optimize the control access of the MCP based on their operating style.

#### ● Character Output Function (Option)

The MCP-300 includes the function to output a character signal (HD-SDI) such as diagnostic information on an external monitor, also it can indicate the optical level to and from the camera head by status bar, helping the user to easily understand the camera cable condition.

Specifications	
Power Requirement	DC +12V (+10 to +18V)
Power Consumption	13W(standard)
Cable Length(Max.)	10m (MCP Cable without DC IN) 30m (MCP Cable with DC IN) 100m (LAN Cable, CAT5e or higher)
Operating Temperature	0 to +45°C (+32 to +113°F)
Storage Temperature	-25°C to +60°C (-13 to +140°F)
Operating Humidity	30% to 90% (non-condensing)
Dimensions	W204 x H354 x D79.4mm (W8.03 x H13.94 D3.13 inch)
Weight	approx 2.6kg (5.73lbs)



## OCP-300

### Ethernet Capable Operation Control Panel

Three different control architectures are supported by the OCP-300 Operation Control Panel and BSH-300 Ethernet/ICCP command converter, each with a wide range of camera control capability. The OCP-300 supports not only Ikegami's conventional one-by-one ICCP control and Arcnet based control systems, but also an Ethernet based control system, allowing customers the flexibility to choose the camera control system based on their needs. The OCP-300 includes a touch screen LCD with rotary encoders, and SD Memory Card slot for full camera setup and filing capability. The depth-of-control feature allows the OCP-300 control to be selected from basic to complete to fit the customer's operating discipline. The OCP-300 also supports PoE, Powering over Ethernet, so separate power supplies are not necessary. The BSH-300 is used for converting command between Ethernet and ICCP, allowing previous control panels such as the OCP-200 and MCP-200, to be integrated into the Ethernet network system.

\* There are three types of BSH-300, Type-A, Type-B and Type-C, each with a different type and number of connectors.



Specifications	
Power Requirement	DC +12V (+10 to +18V)
Power Consumption	approx. 12W
Cable Length(Max.)	50m(CP cable, ARC connection) 65m(CP cable, Serial connection) 100m(LAN cable(more than CAT5e, Ether connection))
Operating Temperature	0 to 45 °C(+32 to +113 °F)
Storage Temperature	0 to +60 °C(+32 to + 140 °F)
Operating Humidity	30 to 90%(non-condensing)
Dimensions	W102 x H354 x D82.2mm (W4.01 x H13.94 x D3.24 inch)
Weight	approx. 1.44kg(3.17lbs)

## BSH-300

### Ethernet/ICCP Command Converter



BSH-300(Type-A)



BSH-300(Type-B)



BSH-300(Type-C)

# Sophisticated Camera Control

## OCP-10

### Ethernet Capable Operation Control Panel

The OCP-10 is a small and compact operation panel to connect with a Base Station, such as the BSF-300, or Camera Adaptor, CA-75HD, for camera control. It can control basic functions of the camera, such as Iris, White Balance, Black Balance, Paint, Gamma and Master Black and it is ideal for field production or under limited space situations, such as small mobile trucks, or portable flypacks.

The OCP-10 supports an Ethernet based control system, allowing customers to choose the camera control system between Ikegami's traditional ICCP control and Ethernet based control system. Also, the OCP-10 supports PoE+ Powering over Ethernet, so, separate power supplies are not necessary.

\*There is a version not supporting an Ethernet based control system.

Specifications	
Power Requirement	DC +12V (+9 to +18V)
Power Consumption	approx. 3W
Cable Length(Max.)	300m(1074ft) CP cable 100m (328ft) LAN cable
Operating Temperature	0 to +45 °C(+32 to +113 °F)
Storage Temperature	0 to +60 °C(+32 to +140 °F)
Operating Humidity	30% to 90%(non-condensing)
Dimensions	W60 x H94 x D160 mm (W2.3 x H3.7 x D6.3 inch)
Weight	approx. 0.8kg (1.76 lbs) [w/o ethernet type] approx. 0.9kg (1.99 lbs) [w ethernet type]



## OCP-100

### Operation Control Panel

The OCP-100 is an operation panel to connect with a Base Station such as the BSF-55, BST-55, or BSF-300, or connector with a Camera Adaptor, CA-75HD, for camera control. The panel not only supports control of new functions incorporated in the Unicam HD series cameras such as Custom Gamma and Variable Color Temperature, but also provides Up/Down Switch Customizing to allow users to optimize the panel based on their operation style. Moreover, it provides some useful functions demanded by users, such as ENG File Load, also the Color Link function achieves simplified color-match, allowing simultaneous color balance adjustment of multiple HDTV cameras. Operation of 3 filters (ND/CC/EFF) is ideal for control of the HDK-790/79GX.

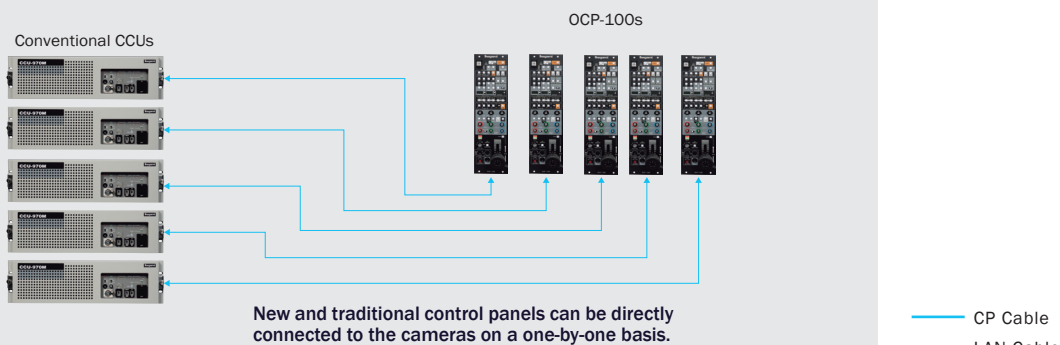
Specifications	
Power Requirement	DC +12V (+11 to +16V)
Power Consumption	approx. 3.2W
Cable Length(Max.)	300m(CP cable)
Operating Temperature	0 to 45 °C(+32 to +113 °F)
Storage Temperature	-20 to +60 °C(-4 to + 140 °F)
Operating Humidity	30 to 90%(non-condensing)
Dimensions	W92.2 x H177.5 x D355.5mm (W3.63 x H6.99x D14.00 inch)
Weight	approx. 2.1kg(4.63lbs)



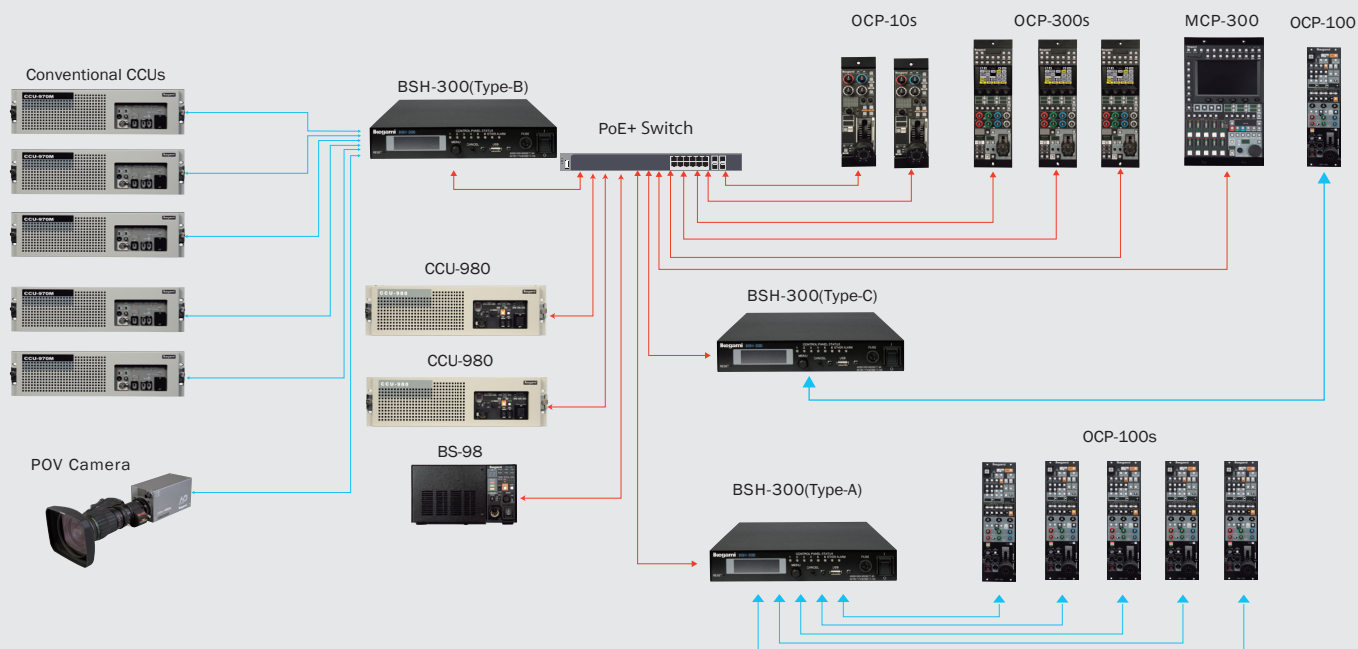
# Sophisticated Camera Control

## System Configurations

### Conventional one by one camera control connection



### Ethernet based camera control system



- BSH-300 (Type-A):  
Integrate and power conventional OCPs (up to 6 sets)
- BSH-300 (Type-B):  
Integrate conventional BS/CCUs (up to 6 sets)
- BSH-300 (Type-C):  
Integrate and power conventional MCP (1 set) and Conventional OCPs (up to 2 sets)

- \* Recommended Control Panels for Ethernet based camera control : OCP-300, MCP-300
- \* A PoE+ switch is recommended for powering control panels over Ethernet.
- \* Recommended PoE+ switches : GSM7212P(NETGEAR), GEP-0822 (Level One)
- \* It is recommended to use control panel components in a dedicated network, excluding other devices such as PCs, etc.
- \* The control speed can get slower due to the number of control panels connected and network condition.
- \* There is an OCP-10 not supporting with Ethernet based camera control.

Design and specifications are subject to change without notice.



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