Digital Controller LAN

PoE-capable Control Unit

IPSA・IPPA series

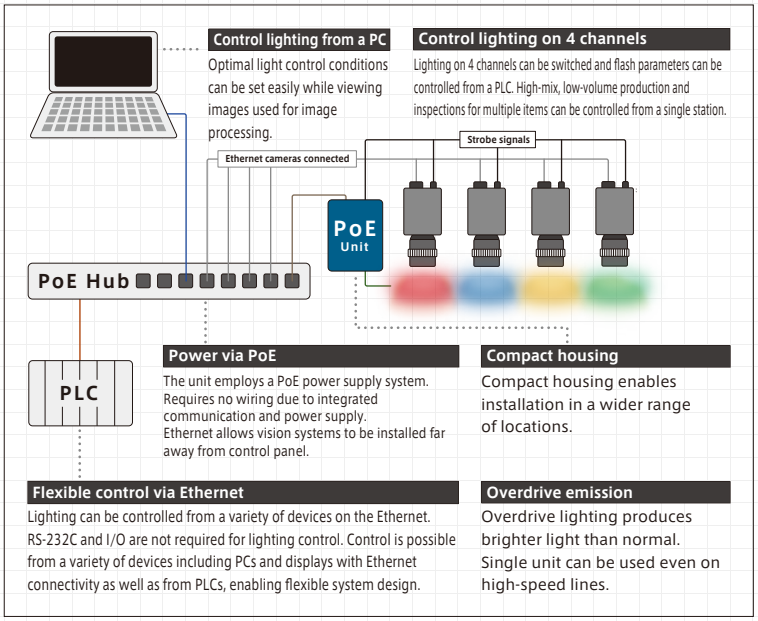
Reduce overall system costs

CE

Intelligent lighting with Power over Ethernet (PoE)

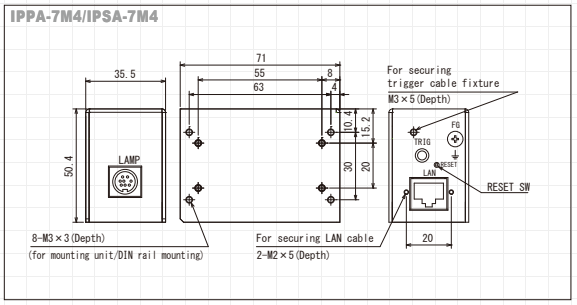
IMAC has created a more sophisticated lighting system by integrating controls using Ethernet. This not only increases the degree of flexibility of control, but also helps reduce total system costs through advanced image processing applications; high-mix, low-volume manufacturing; and labor-saving initiatives in system development and manufacturing.

Example Connection (Conceptual Diagram)

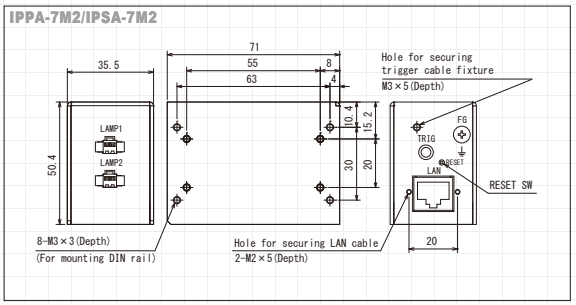


Drawing

IPPA-7M4/IPSA-7M4

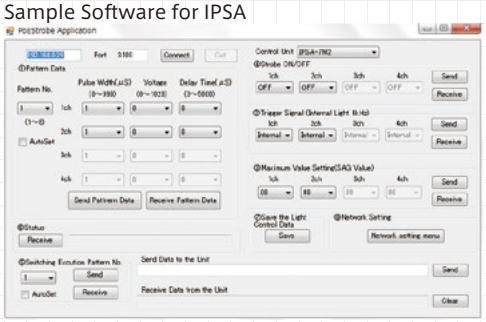


IPPA-7M2/IPSA-7M2

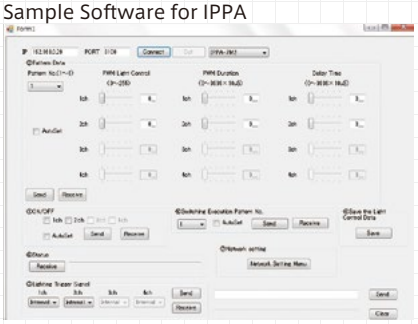


Sample Software Examples

Sample Software for IPSA



Sample Software for IPPA



Power Supply Specifications

Overdrive specification IPSA-7M4/IPSA-7M2

Communication System	TCP/IP protocol (100M/10Mbps)
Input	Power supply from PoE injector (PoE standard: IEEE 802.3af)
Output	Voltage: 12 to 36V (Variable)
	Capacity: Connected lighting/30W or below *1
	Current: 4A or below (Peak strobe current)
	DUTY:5% or below (With interlock protection circuit function)
	Pulse width: 1ms or less (0 to 999μs)
	Light control: 10bit (1,024 levels)
Trigger Response Speed	1μS
Voltage Variation Response Speed	max. Approximately 70ms
Delay Time	0 to max. 5ms (with variable function)
Internal Light	Frequency: 4kHz / Width: 12.5μs (fixed)

PWM normal light specifications IPPA-7M4/IPPA-7M2

Communication System	TCP/IP protocol (100M/10Mbps)
Input	Power supply from PoE injector (PoE standard: IEEE 802.3af)
Output	Voltage: 12V (fixed)
	Capacity: Connected lighting/30W or below *2
	Current: 650mA
	PWM approx. 80kHz
	Light control: 8bit (256 levels)
Trigger Response Speed	1μS

*1 There are limits on light emission width and trigger frequency when using lighting with a total of 7.8 W or more on 4 channels.
*2 Output voltage drops when using lighting with a total of 7.8 W or more on 4 channels.