PWM Power Supply LAN

PoE-capable Control Unit IPSA・IPPA series

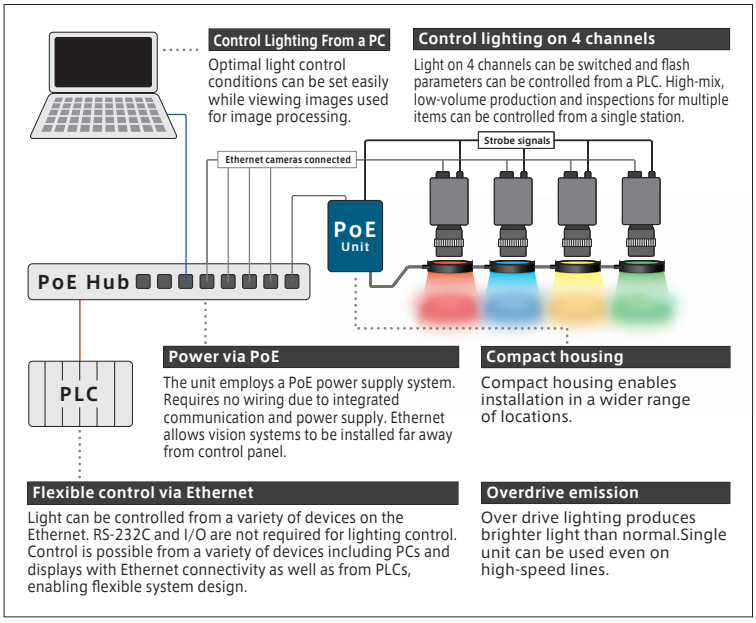
Reduce overall system costs

CE

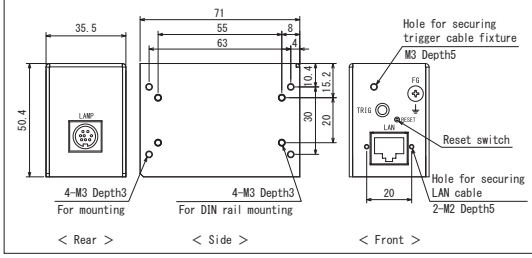
Intelligent lighting With Power over Ethernet(PoE)

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.

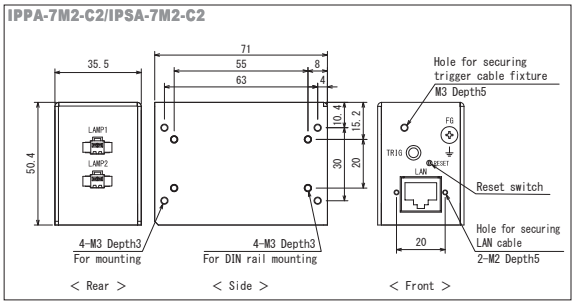
Example Connection (Conceptual Diagram)



IPPA-7M4-C2/IPSA-7M4-C2

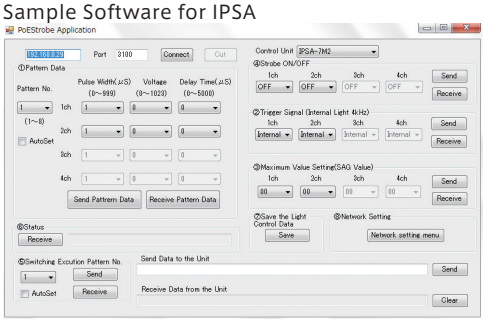


IPPA-7M2-C2/IPSA-7M2-C2

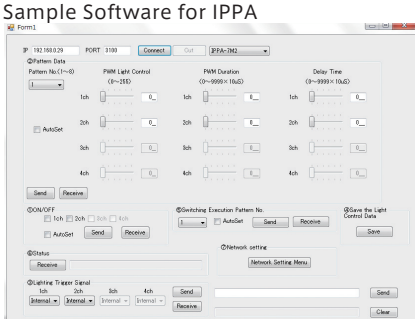


Sample Software Examples

Sample Software for IPSA



Sample Software for IPPA



Power Supply Specifications

Over drive specifications IPSA-7M4-C2/IPSA-7M2-C2

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

PWM normal light specifications IPPA-7M4-C2/IPPA-7M2-C2

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

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