Digital Controller LAN

# PoE-capable Control Unit

## IPSA • IPPA series

Reduce overall system costs

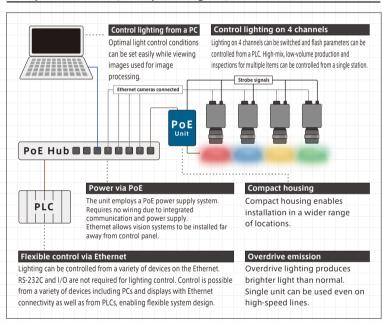




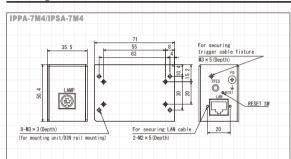
#### Intelligent lighting with Power over Ethernet (PoE)

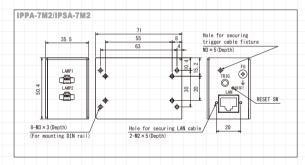
IMAC has created a more sophisticated lighting system by integrating controls using Ethernet. This not only increases the degree of flexibility of control, but also helps reduce total system costs through advanced image processing applications; high-mix, low-volume manufacturing; and labor-saving initiatives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

#### **Example Connection (Conceptual Diagram)**



#### **Drawing**





#### Sample Software Examples



### Sample Software for IPPA

P 162,9680.29	PCF	RT 8100	Covrect		279A-290				
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Forum No.01~-() PRECISE 1 0-056				PMM Duration (2~3636×3646)			Delay Time (0~3636×1646)		
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#### **Power Supply Specifications**

Duardrius spesification IDCA 7M4/IDCA 7M2

Overarive specification is	<sup>7</sup> SA-/M4/IPSA-/M2				
Communication System	TCP/IP protocol (100M/10Mbps)				
Input	Power supply from PoE injector (PoE standard: IEEE 802.3af)				
	Voltage: 12 to 36V (Variable)				
	Capacity: Connected lighting/30W or below *1				
	Current: 4A or below (Peak strobe current)				
Output	DUTY:5% or below (With interlock protection circuit function)				
	Pulse width: 1ms or less (0 to 999 μs)				
	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: 12.5 µs (fixed)				

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

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

<sup>\*1</sup> There are limits on light emission width and trigger frequency when using lighting with a

<sup>\*2</sup> Output voltage drops when using lighting with a total of 7.8 W or more on 4 channels