

The next level of vision

**Leimac**  
CHALLENGE & HIGH QUALITY

**New Product**

**Industry's First-Ever**

# LED Lighting Controller

## IDMU series



**GiGE**<sup>®</sup>  
VISION

**GEN<i>i>CAM**

CE

**External trigger output function**  
Flexible expansion upto 40ch  
DIN rail mount-type space saving  
Pre-installed Programming Mode

**Leimac Ltd.**



# Up to 40 channels of your choice

Connected Base Unit and Edge Unit controls up to 40ch.  
Diversified light control methods and output voltages could be mixed.

## Example combination



Optional unit: Yes  
Base unit: 4ch x 1

Total: 4ch



Optional unit: None  
Base unit: 8ch x 1

Edge unit: 4ch x 1

Total: 12ch



Optional unit: Yes  
Base unit: 8ch x 1  
Edge unit: 8ch x 1, 4ch x 1

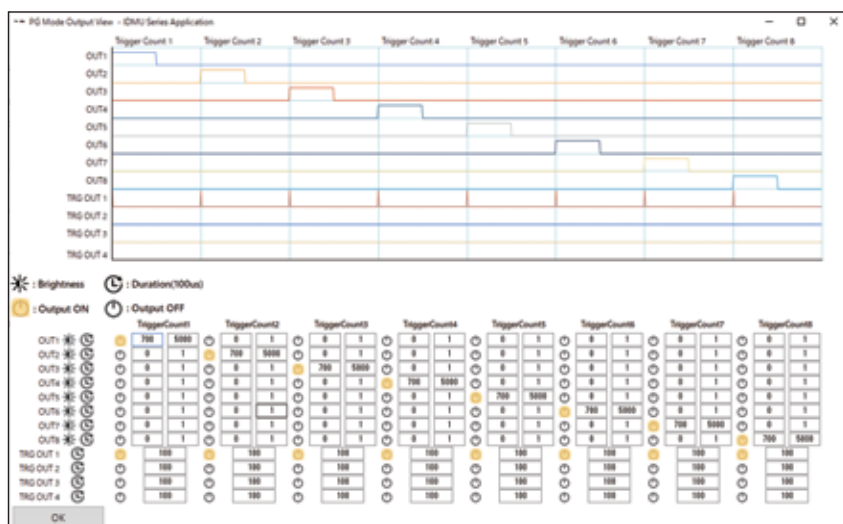
Total: 20ch



Optional unit: None  
Base unit: 8ch x 1  
Edge unit: 8 x 4

Total: 40ch

## Programming mode



It is possible to turn on multiple lights in sequence with one trigger signal. In the programmable settings, not only the order, but also the output control, lighting time, delay time, output pattern, external trigger output control, etc., can be set, and various actions can be operated.

## GenICam support

Supports control via GenICam (SFNC v2.4)  
Supporting GenICam means simplifying the operation at the time of installation and operation, as it reduces the constraints caused by incompatible Platforms  
It also supports operations with conventional commands.

## Additional functions

- Lighting ON / OFF control via communication
- DHCP/LLA support (automatically acquires IP addresses)
- GigE Vision support (100Mbps)

# Product Specifications

## ●Lineup

Model	Type	Output Voltage	Channel Number	Number of trigger input channel	Capacity	Drawing
IDMU-P4B-12	Base	DC12V	4ch	4	72W(36W/2ch <sup>※</sup> )	1
IDMU-P8B-12			8ch	8	144W(36W/2ch <sup>※</sup> )	2
IDMU-P4E-12	Edge		4ch	4	72W(36W/2ch <sup>※</sup> )	3
IDMU-P8E-12			8ch	8	144W(36W/2ch <sup>※</sup> )	4
IDMU-P4B-24	Base	DC24V	4ch	4	144W(72W/2ch <sup>※</sup> )	5
IDMU-P8B-24			8ch	8	288W(72W/2ch <sup>※</sup> )	6
IDMU-P4E-24	Edge		4ch	4	144W(72W/2ch <sup>※</sup> )	7
IDMU-P8E-24			8ch	8	288W(72W/2ch <sup>※</sup> )	8

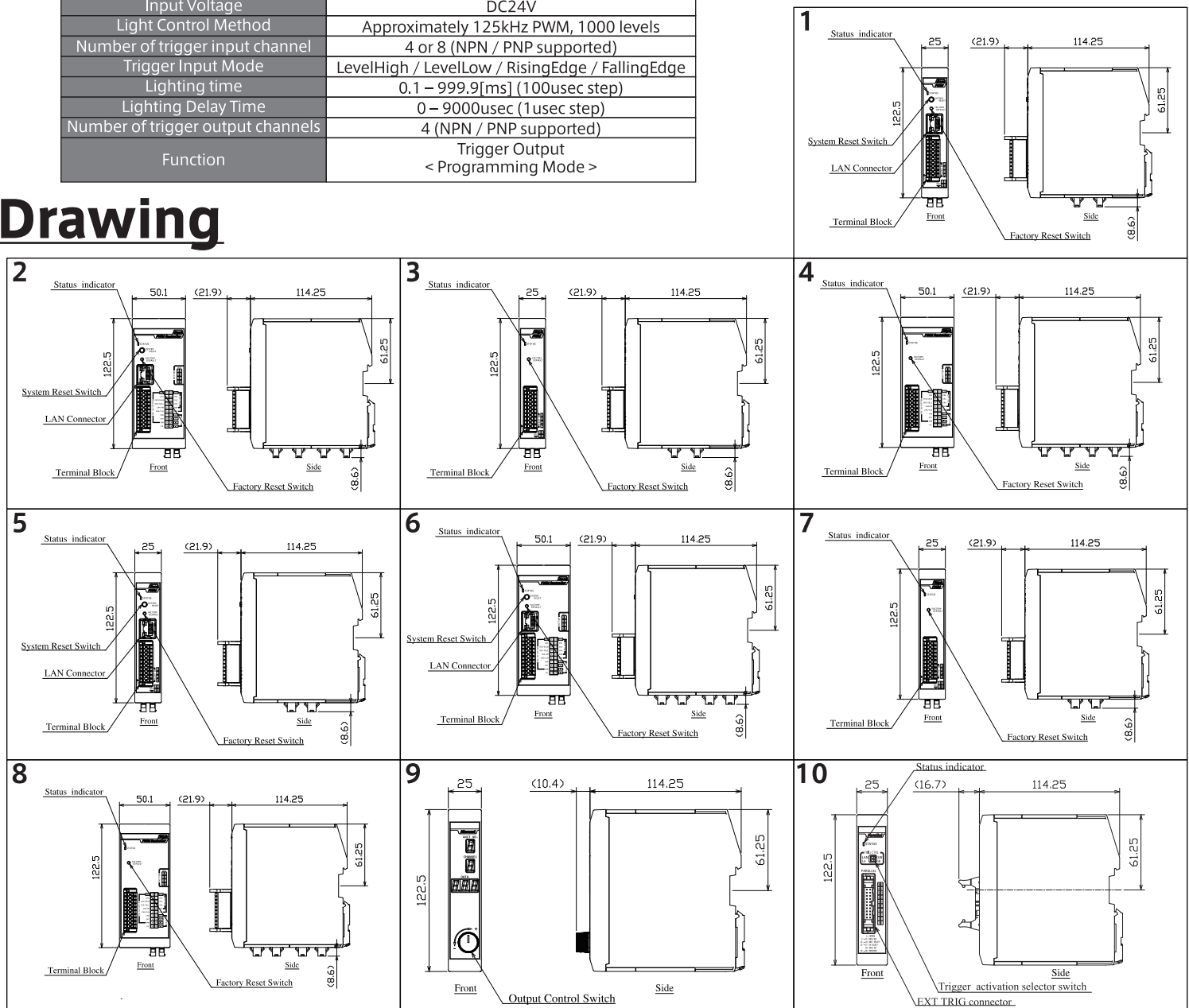
※ It is the 2-channel total capacity of the pair [1-2, 3-4, 5-6, 7-8].

Model	Overview	Drawing
IDMU-OP-M	Optional unit for manual control of connected units	9
IDMU-OP-PI	Optional unit for controlling units that are IDMU-OP-PI connected in parallel communication	10

## ●Common specifications (base unit / edge unit)

Input Voltage	DC24V
Light Control Method	Approximately 125kHz PWM, 1000 levels
Number of trigger input channel	4 or 8 (NPN / PNP supported)
Trigger Input Mode	LevelHigh / LevelLow / RisingEdge / FallingEdge
Lighting time	0.1 – 999.9[ms] (100usec step)
Lighting Delay Time	0 – 9000usec (1usec step)
Number of trigger output channels	4 (NPN / PNP supported)
Function	Trigger Output < Programming Mode >

## Drawing



Challenge & High Quality

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20231107.0000(L)

※ Our Product in an industrial product based on an assumption of use for built-in equipment, during the manufacturing-process, or in the manufacturing plant.  
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※ The specification of the product and the design are sometimes changed without notice. Please accept it beforehand.