



INNOVATION IN PHOTONICS

Model	ABL-005WIR-GE
interface	Gigabit Ethernet (1000BASE-T)
Image pickup device	Number of effective pixels: 512 Pixel size: 25 μm \times 25 μm InGaAs line sensor, two stage electronic cooling
Pixel clock period	5MHz
900nm ~ 2550nm	
Pixel clock period	5MHz
Line rate / exposure time	13.8 KHz (MAX) / exposure time 10 μs to 1 ms
Conversion efficiency	Standard sensitivity mode: 160 nV / e-, high sensitivity mode: 930 nV / e-
Conversion efficiency	50dB
Gain	0dB ~ + 12dB
Black level	0 LSB to 127 LSB variable (at 10 bit)
Main function	Status LED, internal cooling mechanism, external trigger, various correction (DSNU, PRNU, pixel defect, shading), field upgrade function
Video output	8/10/12 bits
Power supply	Input voltage range: DC + 12V \pm 1V Power consumption: 9W
Lens mount	C mount 1 inch
Operating temperature / humidity	0 $^{\circ}$ C to +40 $^{\circ}$ C / 20 to 80% (without condensation)
Storage temperature / humidity	-25 $^{\circ}$ C ~ + 60 $^{\circ}$ C / 20 ~ 80% (without condensation)

Peltier set temperature	+ 5 ° C to + 35 ° C / 20 to 80% (use within the operating temperature range)
External dimensions	72 mm (W) x 58 mm (H) x 115 mm (D) (excluding mounting part and protrusions)
weight	715g
External dimensions	RoHS
Camera update function	SDK-TransFlyer TConfigurator
Cable (video output) * 1	LAN cable for CAT 5E, CAT 6
standard	CE (planned) GigE Vision®, GenICam™, GenICam™ GenTL compliant
Software development kit	For image grab / communication: SDK-TransFlyer (type name: AZP-ACAPTF-01)

※ 1: Option