

USB3.1 Gen1 AOC Interface

- ★ USB3.1 Gen1(5Gbps) I/F
- ★ USB2.0 (0.48Gbps) is incompatible.
- ★ UASG cable need the electricity supply for the camera separately.
- ★ Long distance transmission was achieved by the AOC.
- ★ **Micro-B L type specification added**



■ The output is electrical signal ■ Optical engine E/O , O/E

I / F Product name					
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NISSEI Product	Transmission standard	Connector	Connector	Cable	Total length (m) Outside length of connector
	UA	Select	Select	Select	
※Example Product name NUAMBASUAG10m					

AS (Standard-A Straight)

Connector		
MB (Micro-B Straight Thumb Screw)	MBLU (Micro-B UP Thumb Screw)	MBLD (Micro-B Down Thumb Screw)

Cable						
Product name	Diameter Color	weight About g/m	Minimum bend radius [Guideline]	max Cable length [Guideline]	oil-resistant characteristic	characteristic
UAG	5.1φBlue	46	45mm	10,15,20m *2 referring	JIS K 6723 (Resistance to oil PVC)	Light-weight, Middle distance, Robot, Power supply supported.
UASG	3.9φBlue	10	30mm	50m *3 referring		Extraordinarily light, long distance, Robot, Non-power supply.

Notice

We will lend samples to customers. Please confirm prior connection with your camera (device) and PC (board).

* 1 Max Cable length depend on performance of a Camera and the PC. These are not guaranteed value. Please check the actual connecting performance before you order them.

* 2 Indication of the relation of the camera power consumptions and length of the UAG cables are 3.2W=10m, 2.2W=15m, 1.8W=20m.

* 3 If you want to use more long distance than the usable length of UAG cable, please choose the USG cable. In that case, you need to prepare the special power supply for the Camera separately.

U-BENDING TEST Stroke : 0.8m Round trip Bending Radius : 45mm Acceleration : 2.2G Number of tests : 30 million times	BENDING TEST Bent : ±90° Weight : 500g Bending Radius: 30mm Speed : 60times/min Number of tests: 7 million times	Twist test Angle : ± 180 ° Width : 500 mm Speed : 60 times / min
Note: It is a test value, not a guaranteed		