



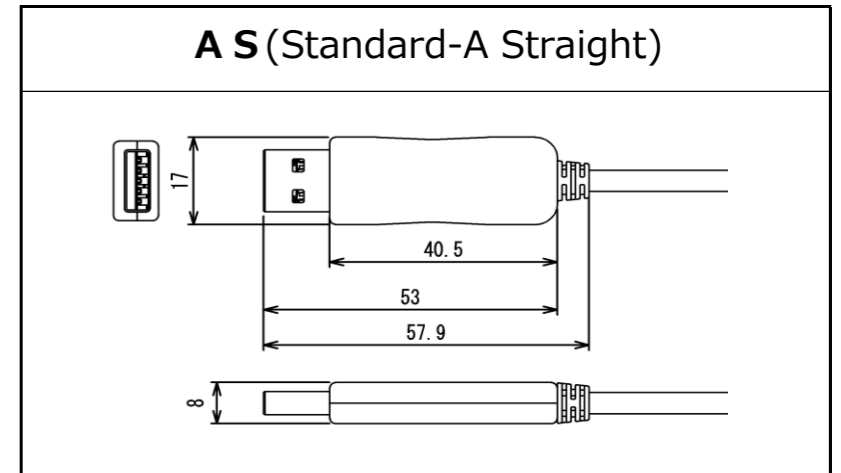
# USB3.1 Gen1 AOC Interface

- ★ 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	
<b>N</b>	□□	△△△△	▲▲	◇◇◇◇	■ ■ ■ ■
NISSEI Product	Transmission standard	Connector	Connector	Cable	Total length (m) Outside length of connector
	<b>UA</b>	Select	Select	Select	
※Example Product name <b>NUAMBASUAG10m</b>					



Connector		
<b>MB (Micro-B Straight Thumb Screw)</b>	<b>MBLU (Micro-B UP Thumb Screw)</b>	<b>MBLD (Micro-B Down Thumb Screw)</b>

Cable						
Product name	Diameter Color	weight About g/m	Minimum bend radius [Guideline]	max Cable length [Guideline]	oil-resistant characteristic	characteristic
<b>UAG</b>	5.1φBlue	46	45mm	10,15,20m *2 referring	JIS K 6723 (Resistance to oil PVC)	Light-weight, long distance, Robot, Power supply supported.

**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.

**U-BENDING TEST**  
 Stroke : 0.8m Round trip  
 Bending Radius : 45mm  
 Acceleration : 2.2G  
 : 50 million completion completed Good  
 Continue up to 100 million times

**BENDING TEST**  
 Bent : ±90°t  
 Weight : 500g  
 Bending Radius : 30mm  
 Speed : 60times/min  
 : 16 million times completed Good  
 Continue up to 100 million times

**Twist test**  
 Angle: ± 180°  
 Width: 500 mm  
 Speed: 60 times / min  
 : 22 million times completed Good  
 Continue up to 100 million times

Note: It is a test value, not a guaranteed value