

NP-AOC-SUHD2-xx

NP-AOC-SUHD2 extends UHD 4K 60Hz up to 50m with an HDMI optical extension cable and detachable connectors for both sides. It is superior to conventional coaxial cables and optical extension cables in terms of signal degradation, loss, transmission distance limitations, and cable weight for easy installation. Since power supplied from the HDMI terminal on the source, no external power supply is required.

■ Specifaicon

		NP-AOC-SUHD2-xx
Video / Audio	HDMI	HDMI / DVI 1.0 TMDs Single Link, HDCP 1.4 / 2.2 TMDs Clock: Max 300 MHz, TMDs Data Rate: Max 18 Gbps Deep Color / HDR / CEC / (* 1) 640x480@60 to 2560x1600@60 Reduce Blanking, 480i, 576i to 3840x2160@24 / 25 / 30 / 50 / 59.94 / 60 (4:4:4), 3840x2160@50 / 59.94 / 60 (4:2:0), 4096x2160@24 / 25 / 30 / 50 / 59.94 / 60 (4:4:4), 4096x2160@50 / 59.94 / 60 (4:2:0) Color Depth: 24, 30, 36 bits ※Reference Sheet below Linear PCM, Dolby Digital True HD, DTS-HD Master Audio Connector: HDMI Type A (19 pin) Length: 5 to 50 m (* 2)
Cable	Structure	Optical Multi mode3 composite optical cable
	Skin	PVC
	Diameter	4.5 mm
	Bending Radius	25.4 mm (permanent bending radius)
	Pull Length	Approx. 15 kg (Cable and connector joint)
General	AC adapter	Supplied from HDMI pin 18 (source side) (* 3)
	Available Current	Approx. 0.5 W
	Dimensions	89.5 (W) x 10 (H) x 20 (D) mm (excluding protrusions)
	Weight	1.65 kg (50 m)
	Temperature	Operating: 0 °C to +40 °C Storage: -20 °C to +70 °C
	Humidity	20 % to 85 % (No condensation)

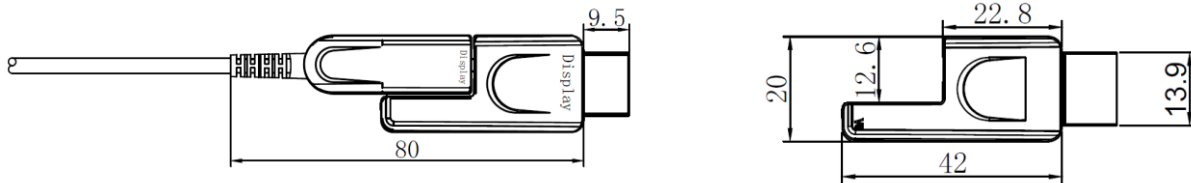
(* 1) x.v.Color / 3D / ARC / HEC not compatible

(* 2) The maximum extension distance is not guaranteed for all devices. When using in an environment of 50m or more, it is recommended to verify the connection in advance.

(* 3) We recommend that you verify in advance that sufficient power is supplied from the source device.

■ Part Number

P / N	Length
NP-AOC-SUHD2-10	10 m
NP-AOC-SUHD2-20	20 m
NP-AOC-SUHD2-30	30 m
NP-AOC-SUHD2-40	40 m
NP-AOC-SUHD2-50	50 m

■ Image

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Resolution Reference Sheet

Signal	Resolution	Frame Rate [Hz]	Pixel Clock [MHz]	Color Depth [bits]	NP-AOC-SUHD2
640x480@60	640x480	59.94	25.18	24 / 30 / 36	○
800x600@60	800x600	60.32	40.00	24 / 30 / 36	○
1024x768@60	1024x768	60.00	65.00	24 / 30 / 36	○
1280x768@60	1280x768	59.87	79.50	24 / 30 / 36	○
1280x800@60	1280x800	59.84	83.50	24 / 30 / 36	○
1280x960@60	1280x960	60.00	108.00	24 / 30 / 36	○
1280x1024@60	1280x1024	60.02	108.00	24 / 30 / 36	○
1360x768@60	1360x768	60.02	85.50	24 / 30 / 36	○
1366x768@60	1366x768	59.79	85.50	24 / 30 / 36	○
1400x1050@60	1400x1050	59.98	121.75	24 / 30 / 36	○
1440x900@60	1440x900	59.89	106.50	24 / 30 / 36	○
1600x900@60 RB	1600x900	60.00	108.00	24 / 30 / 36	○
1600x1200@60	1600x1200	60.00	162.00	24 / 30 / 36	○
1680x1050@60	1680x1050	59.95	146.25	24 / 30 / 36	○
1920x1080@60 RB	1920x1080	59.93	138.50	24 / 30 / 36	○
1920x1200@60 RB	1920x1200	59.95	154.00	24 / 30 / 36	○
2048x1152@60 RB	2048x1152	60.00	162.00	24 / 30 / 36	○
2560x1440@60 RB	2560x1440	59.95	241.50	24 / 30 / 36	○
2560x1600@60 RB	2560x1600	59.97	268.50	24 / 30 / 36	○
480i	720x480	59.94	27.00	24 / 30 / 36	○
480p	720x480	59.94	27.00	24 / 30 / 36	○
576i	720x576	50.00	27.00	24 / 30 / 36	○
576p	720x576	50.00	27.00	24 / 30 / 36	○
720p@50	1280x720	50.00	74.25	24 / 30 / 36	○
720p@59.94	1280x720	59.94	74.18	24 / 30 / 36	○
720p@60	1280x720	60.00	74.25	24 / 30 / 36	○
1080i@50	1920x1080	50.00	74.25	24 / 30 / 36	○
1080i@59.94	1920x1080	59.94	74.18	24 / 30 / 36	○
1080i@60	1920x1080	60.00	74.25	24 / 30 / 36	○
1080p@50	1920x1080	50.00	148.50	24 / 30 / 36	○
1080p@59.94	1920x1080	59.94	148.35	24 / 30 / 36	○
1080p@60	1920x1080	60.00	148.50	24 / 30 / 36	○
3840x2160@24	3840x2160	24.00	297.00	24 / 30 / 36	○
3840x2160@25	3840x2160	25.00	297.00	24 / 30 / 36	○
3840x2160@30	3840x2160	30.00	297.00	24 / 30 / 36	○
3840x2160@50	3840x2160	50.00	594.00	24 / 30 / 36*	○
3840x2160@59.94	3840x2160	59.94	593.41	24 / 30 / 36*	○
3840x2160@60	3840x2160	60.00	594.00	24 / 30 / 36*	○
4096x2160@24	4096x2160	24.00	297.00	24 / 30 / 36	○
4096x2160@25	4096x2160	25.00	297.00	24 / 30 / 36	○
4096x2160@30	4096x2160	30.00	297.00	24 / 30 / 36	○
4096x2160@50	4096x2160	50.00	594.00	24 / 30 / 36*	○
4096x2160@59.94	4096x2160	59.94	593.41	24 / 30 / 36*	○
4096x2160@60	4096x2160	60.00	594.00	24 / 30 / 36*	○

RB: Reduced Blanking

※ Chroma subsampling 4:2:0