# BHDC-20AA

HDMI 2.0 Active Optical Cable Type A Male - Type A Male

### Highlights:

- Supports HDCP2.2 two-way EDID and HDCP communication
- Supports 4096 x 2160, 4K (60P), 3D full HD transmission distance up to 100 meters
- Transmission rate up to 6Gbps/channel, total bandwidth can be 18Gbps;
- Multi-purpose connections (HDMI and micro-HDMI[Display side])
- Energy saving, low power consumption (max. 250mW), no extra power supply required
- Plug-and-play no software or setting required
- RF/EMI free for clear signal transmission
- Up to 300m maximum length(50m max. for eARC)
- Customized length,logo,packaging available



The BHDC-20AA is an active optical HDMI 2.0 cable aimed for fixed installations. It utilizes BONES' unique AOC+™ Fiber Optic Technology that enables transmission resolutions up to ultra HD 4K 2160p (4096 x 2160) at 60 Hz with a bandwidth of 18Gbps via hybrid optical fiber, eliminating the possibility of electronic interference. It is the ideal solution for extending the reach of your digital signage in various settings, such as Blu-ray players, set top boxes, game consoles, monitors for large shopping malls and hospital facilities etc.

#### Applications:

- Digital signage
- LED signs & monitors for stadiums, hospitals, shipping malls
- Medical imaging equipment
- Airport boarding video information system
- Home Theater, Blu-ray, 3D video, projector, set-top box, DVR, game console control and monitor connection
- Radio and TV station
- Video conference equipment
- Security monitoring system







#### Certification:







## Properties:









Item	Description							
Source	Transmitter(Source)	Receiver(Display)						
Solution	4 Channel 850 nm VCSEL array 4 Channel GaAs PD a							
HDCP	Support two-way EDID and HDCP communication							
Video Bandwidth	Maximum 6Gbps/*3 Channels							
Clock Rate	600 MHz							
Bandwidth	Maximum18Gbps							
Resolution	PC: WUXGA 4096 x 2160, maximum 100 meters(330 feet)							
	HDTV: 480p, 720p, 1080i and 1080p color depth, 4K(60P), 3D: Full HD 4096 x 2160max. 100m							
Power Consumption	250mW(Max.)							
Connector								
Type	HDMI 2.0 type A to type A							
Pull-out Force	2KGs							
Life Test	> 10000 cycles							
Cable								
Type	Hybrid Fiber Optic,50/125 OM3 / Fiber (4x)+ Copper wires (7x)							
Outer Jacket	Black, LSHF, 4.6mm (Ø)							
Optional Length (Tolerance±30cm)	10m/15m/20m/30m/40m/50m/60m/70m/80m/90m/100m/110m/120m/130m/140m/150m Can be customize to maximum300 meters ;							
Bending Radius	20mm(Min.)							
Tensile Strength	25KGs							
Working Temperature	0°C to 50°C (32°F to 122°F)							
Storage Temperature	-20°C to 70°C (-4°F to 158°F).							
Relative Humility	5% to 90% (non-condensing)							

# Ordering & Packing:

Product Code	Length		Gift Box	Master Carton	QTY/CTN	N.W.	G.W.
	(Meters)	Feet	(mm)	(mm)	(PCs)	(KG)/CTN	(KG)/CTN
BHDC-20AA-010	10	33	240*225*75	470*385*255	10	7.0	8.0
BHDC-20AA-015	15	50	240*225*75	470*385*255	10	8.5	9.5
BHDC-20AA-020	20	67	240*225*75	470*385*255	10	9.5	10.5
BHDC-20AA-030	30	100	240*225*75	470*385*255	10	12	13
BHDC-20AA-040	40	130	240*225*75	470*385*255	10	14.5	15.5
BHDC-20AA-050	50	165	290*275*75	565*385*300	10	20.5	21.5
BHDC-20AA-060	60	197	290*275*75	565*385*300	10	22.5	23.5
BHDC-20AA-070	70	230	290*275*75	390*350*343	5	13	14
BHDC-20AA-080	80	263	340*325*75	390*350*343	5	15	16
BHDC-20AA-090	90	295	340*325*75	390*350*343	5	16	17
BHDC-20AA-100	100	320	340*325*75	390*350*343	5	17.5	18.5

<sup>•</sup> Length can be customized, up to 300 meters.

# Packing Reference:



5PCs/Carton for 80~100M length

10~70 M length



Gift Box Master Carton