




	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	1/15

Model Name : OLME-K4950
OLME-K4970

ISSUED DEPT. 입안 부서	PREPARED BY 입안자	REVIEWED BY 심 의 자	APPROVED BY 승인자
R&D CENTER 연구소	Mun-Su Choi 최문수	Su-Sam, Choi 최수삼	Han-Joo, Bae 배한주
			
	2019. 07. 30	2019. 07. 30	2019. 07. 30
배 포 처	연구소, 생산경영팀, 영업팀		

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	3/15

CONTENTS (목차)

1. Application(적용 범위)	4
2. Summary(개요)	4
3. Environmental Conditions(환경 조건)	4
4. General Information(일반적인 정보)	5
5. Specifications (제품 사양)	6
5.1. TERMINAL SPECIFICATIONS (단자 사양).....	6
5.2. TERMINAL DESCRIPTION (단자 설명)	7
5.3. SUPPORT RESOLUTIONS (지원 해상도)	8
5.4. REMOTE CONTROL (원격 조정).....	9
6. Accessory (부속품)	10
6.1. ACCESSORY (부속품).....	10
6.2. OPTIONAL ACCESSORY (별매품).....	10
7. Product Drawing & Dimension (제품 외관 및 치수)	11
7.1. OLME-K4950/OLME-K4970 DRAWING (OLME-K4950/OLME-K4970 외관).....	11
8. Label (라벨)	12
8.1. BOX LABEL (BOX 라벨)	12
8.2. SERIAL LABEL(일련 라벨).....	12
8.3. PRODUCTS LABEL(제품 라벨).....	13
9. Packing (포장)	14
9.1. PRODUCT PACKING (제품 포장).....	14
9.2. PALLET PACKING(파렛트 포장)	15

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	4/15

1. Application(적용 범위)

This Specification applies to Orion's LCD video wall Monitor(OLME-K4950/OLME-K4970) adopting 49" Extreme Narrow Bezel LCD Panel.

본 사양은 49" Extreme Narrow Bezel LCD Panel 을 적용한 Orion 의 LCD video wall monitor (OLME-K4950/OLME-K4970)에 적용된다.

2. Summary(개요)

OLME-K Series are infinitely expandable LCD monitor system ready for 4K UHD(3840*2160P@60Hz) video signal such as DisplayPort(DP 1.2) & HDMI(HDMI 2.0) along with DVI adopting Extreme Narrow Bezel and also provides various means of control such as RS-232C, LAN and IR.

OLME-K 시리즈는 Extreme Narrow Bezel 을 적용하고, DisplayPort(DP 1.2), HDMI(HDMI2.0)와 같은 4K UHD(3840*2160P@60Hz) 및 DVI 의 입력 신호를 지원하는 무한 확장형 LCD monitor 시스템이다. 또한 RS-232C 와 LAN, IR 과 같은 다양한 종류의 제어를 지원한다.

3. Environmental Conditions(환경 조건)

Item 항목	Operating Condition 동작 조건		Storage Condition 저장 조건	
	Maximum 최대	Recommend 권장	Maximum 최대	Recommend 권장
Temperature 온도	0 ~ 50 °C	5 ~ 35 °C	-20 ~ 60 °C	0 ~ 40 °C
Humidity 습도	10 ~ 90 %RH	35 ~ 75 %RH	5 ~ 90 %RH	10 ~ 90 %RH

※ If the condition exceeds maximum ratings, it can cause malfunction or unrecoverable damage to the device.

※ 최대 환경 조건을 초과하면 제품이 제대로 동작하지 않거나 수리가 불가능 할 수 있다.

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	5/15

4. General Information(일반적인 정보)

PRRDUCT NAME 제품명		49INCH ENB MULTI LCD MONITOR		
MODEL NAME 모델명		OLME-K4950	OLME-K4970	
LCD PANEL LCD 패널	MANUFACTURE	LGD		
	DIAGONAL SCREEN SIZE	48.50 inch (1232 mm)		
	ACTIVE DISPLAY AREA	1073.78 x 604 mm		
	NUMBER of PIXEL	1920 x 1080		
	LUMINANCE of WHITE (Typ.)	500 cd/m ²	700 cd/m ²	
	CONTRAST RATIO (Typ.)	1,300 : 1		
	BACK LIGHT TYPE	DIRECT LED		
	DISPLAY COLORS	1.07 BILLION (10bit)		
	SURFACE TREATMENT	HARD COATING (3H), ANTI-GLARE (HAZE 10%)	HARD COATING (2H), ANTI-GLARE (HAZE 2.5%)	
	LIFE TIME (Min.)	50,000 Hrs		
TERMINAL 단자	VIDEO	INPUT : DP x1, HDMI x1, DVI x1 OUTPUT : DP x1		
	CONTROL	INPUT : RS-232 x1, LAN x1, EXT-IR x1, A/S x1 OUTPUT : RS-232 x1		
INPUT SIGNAL 입력 신호	SUPPORT RESOLUTION	480p, 576p, 720p, 1080p, UHD (only HDMI, DP)		
	FREQUENCY	31 ~ 140 KHz(HOR), 29 ~ 76 Hz(VER)		
	HDCP	READY		
POWER SUPPLY 전원		AC 100V ~ 240V±10% (50/60Hz)		
POWER CONSUMPTION 소비 전력	STAND-BY	≤ 0.5 W		
	TYPICAL.	105 W	155 W	
	MAXIMUM	120 W	180 W	
DIMENSION (H x V x D) 크기		1075.58 x 605.8 x 105.1 mm		
SEAM GAP		1.8 mm (BEZEL to BEZEL)		
MOUNTING 마운팅		600 x 400 mm (H x V)		
WEIGHT 중량		24 Kg		
INSTALLATION		LANDSCAPE / PORTRAIT		
Operation Hour		24 / 7		

※ Product design and specification can be changed for quality improvement without prior notice.

※ 디자인 및 제품 규격은 제품 성능 향상을 위해 사전 예고 없이 변경될 수 있다.

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	6/15

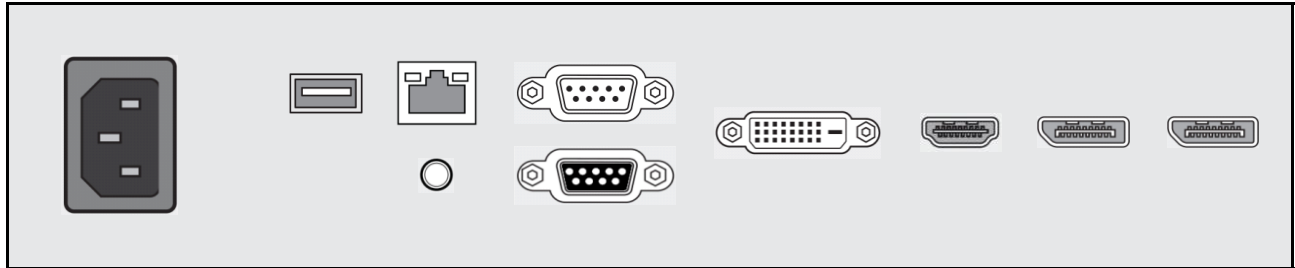
5. Specifications (제품 사양)

5.1. Terminal Specifications (단자 사양)

TERMINAL NAME 단자명	TERMINAL SPEC. 단자 사양	Q'TY 수량	SIGNAL SPEC 신호 사양	REMARK 비고
DP IN	STANDARD DisplayPort	1	DP1.2 (HDCP1.4)	
DP OUT	STANDARD DisplayPort	1	DP1.2	
HDMI IN	HDMI TYPE-A FEMALE	1	HDMI2.0 (HDCP1.4)	
DVI IN	DVI-D 24PIN FEMALE	1	DVI-D	DUAL-LINK
RS232C IN	D-SUB 9PIN FEMALE	1	± 15V	
RS232C OUT	D-SUB 9PIN MALE	1	± 15V	
LAN	RJ-45	1	10/100 BASE-T	
EXT-IR	STEREO MINI JAKC (3.5ø)	1	-	
USB	USB TYPE-A	1	-	for A/S

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	7/15

5.2. Terminal Description (단자 설명)



AC INPUT	A/S	LAN IR	RS232C IN RS232C OUT	DVI IN	HDMI IN	DP IN	DP OUT
①	②	③ ④	⑤ ⑥	⑦	⑧	⑨	⑩

- ① AC INPUT : Connects with the supplied power cord.
- ② A/S : Only for Firmware upgrade.
- ③ LAN : For control by Ethernet.
- ④ IR : Connecting with IR receiver for remote control.
- ⑤ RS232C IN : Connecting with RS232C cable from external equipment such as a PC in order to control RS232C functions.
- ⑥ RS232C OUT : Connecting RS232C looping through with other monitors for whole video wall control.
- ⑦ DVI IN : To input Digital RGB signal from a computer or HDTV device having a digital RGB output.
- ⑧ HDMI IN : To input HDMI video signal.
- ⑨ DP IN : To input DisplayPort video signal.
- ⑩ DP OUT : For loop through video with other monitors for sharing video signal through DisplayPort.

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	8/15

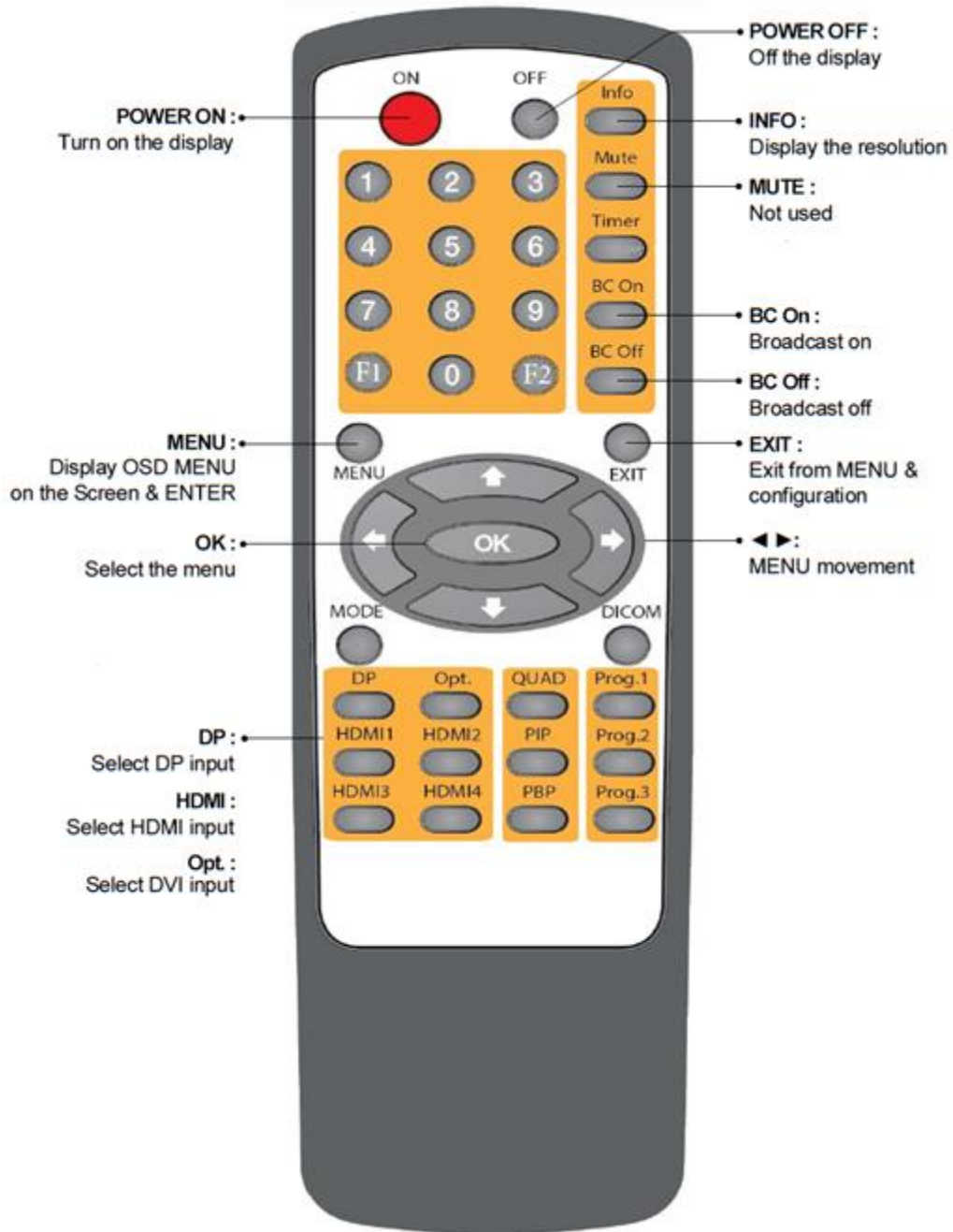
5.3. Support Resolutions (지원 해상도)

Resolution	Pixel Clock [MHz]	Horizontal [Pixels]				Vertical [Lines]				Polarity (H. / V.)	Standard Type	Input
		Total	Add. Width	Sync. Width	Back Porch	Total	Add. Width	Sync. Width	Back Porch			
640*480*60	25.175	800	640	96	40	525	480	2	25	- / -	DMT	DVI /HDMI /DP
800*600*60	40.002	1056	800	128	88	628	600	4	23	- / -	DMT	
1024*768*60	65.000	1344	1024	136	160	806	768	6	29	- / -	DMT	
1280*768*60	79.500	1664	1280	128	192	798	768	7	20	+ / +	CVT	
1360*768*60	85.500	1792	1360	112	256	795	768	6	18	+ / +	CVT	
1280*1024*60	108.000	1688	1280	112	248	1066	1024	3	38	- / -	DMT	
1600*1200*60	162.000	2160	1600	192	304	1250	1200	3	46	+ / +	DMT	
480P	27.000	858	720	62	60	525	480	6	30	- / -	CEA-861	DVI /HDMI /DP
576P	27.000	864	720	64	68	625	576	5	39	- / -	CEA-861	
720P24	59.400	3300	1280	40	220	750	720	5	20	+ / +	CEA-861	
720P25	74.250	3960	1280	40	220	750	720	5	20	+ / +	CEA-861	
720P30	74.250	3300	1280	40	220	750	720	5	20	+ / +	CEA-861	
720P50	74.250	1980	1280	40	220	750	720	5	20	+ / +	CEA-861	
720P60	74.250	1650	1280	40	220	750	720	5	20	+ / +	CEA-861	
1080P24	74.250	2750	1920	44	148	1125	1080	5	36	+ / +	CEA-861	DVI /HDMI /DP
1080P25	74.250	2640	1920	44	148	1125	1080	5	36	+ / +	CEA-861	
1080P30	74.250	2200	1920	44	148	1125	1080	5	36	+ / +	CEA-861	
1080P50	148.500	2640	1920	44	148	1125	1080	5	36	+ / +	CEA-861	
1080P60	148.500	2200	1920	44	148	1125	1080	5	36	+ / +	CEA-861	
3840*2160*30	297.000	4400	3840	88	296	2250	2160	10	72	+ / +		HDMI /DP
3840*2160*60	594.000	4400	3840	88	296	2250	2160	10	72	+ / +		

※ Vertical Frequency : Standard ± 0.5 Hz, Vertical Lines : Standards ± 7 Lines * H [dot] / V [line]

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	9/15

5.4. Remote Control (원격 조정)



	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	10/15

6. Accessory (부속품)

6.1. Accessory (부속품)

- 1) CD with User's Manual : 1ea
- 2) Guide Pin : 4pcs
- 3) Power Cable : 1ea
- 4) DP Cable : 1ea
- 5) RS232C Cable : 1ea
- 6) Remote Controller : 1ea
- 7) Battery(AAA) : 2ea
- 8) IR Receiver : 1ea



Manual CD
(Included OSW)



Guide Pin(4pcs)



Power Cable



DP Cable



RS-232C Cable



Remote Controller



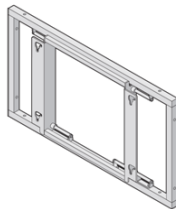
Battery(AAA)



IR Receiver

6.2. Optional Accessory (별매품)

- 1) Main Frame

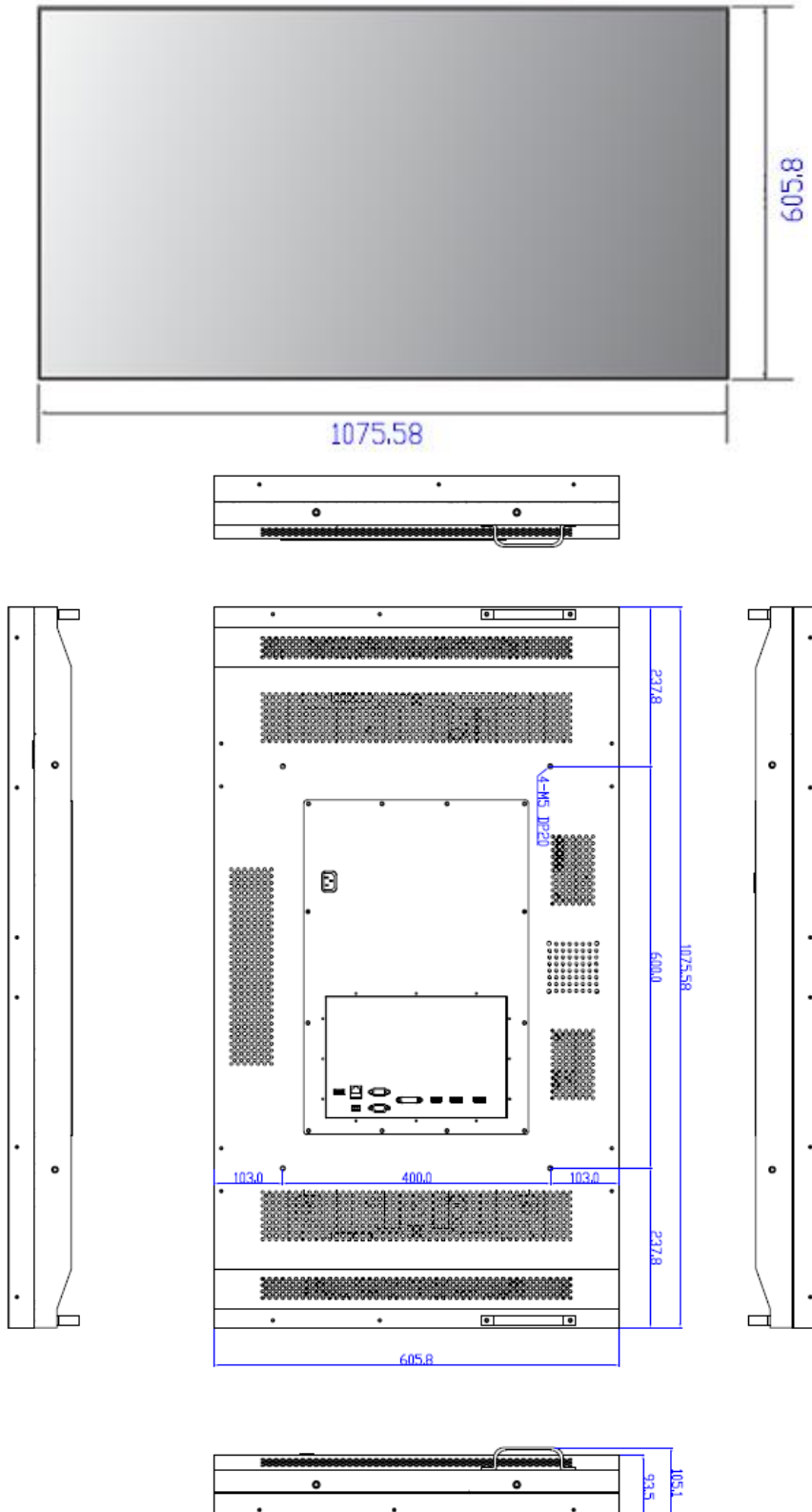


Main Frame

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	11/15

7. Product Drawing & Dimension (제품 외관 및 치수)

7.1. OLME-K4950/OLME-K4970 Drawing (OLME-K4950/OLME-K4970 외관)



	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	12/15

8. Label (라벨)

8.1. Box Label (Box 라벨)

(80mm x 25mm, Barcode Type : Code-128)



8.2. Serial Label(일련 라벨)

(45mm x 9mm, Barcode Type : Code-128)



	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	13/15

8.3. Products Label(제품 라벨)



LCD Monitor/모니터/ЖК-монитор/ВК-монитор


- Model Name/모델명/Модель : OLME-K4950
- Voltage/전압/Напряжение : 100~240V~ / 100~240В~
- Current/전류/Электрический ток : 1.2A
- Frequency/주파수/Частота : 50/60Hz / 50/60 Гц
- Serial No./제조년월

CAUTION
RISK OF ELECTRIC SHOCK,
DO NOT OPEN

To reduce the risk of electric shock,
Do not remove cover. No user serviceable parts
inside. Refer servicing to qualified service personnel

사용상의 주의사항
- 감전사고 예방을 위하여 덮개는 열지 마세요.
- 내부에는 소파자가 수리할 수 있는 부품이 없으므로 고액은 서비스센터로 연락하십시오.
* 서비스센터 : 064950-9887




Y12020544001
MSP-P8EM-CP-COLM-L46503

ORION CO., LTD.
Made in Korea / Сделано в Корее / Зроблена у Країні /
Кореяда жасалган

DP OUT

DP IN

HDMI


DVI-DUAL

RS232C
IN OUT

LAN

IR

A/S








LCD Monitor/모니터/ЖК-монитор/ВК-монитор

- Model Name/모델명/Модель : OLME-K4970
- Voltage/전압/Напряжение : 100~240V~ / 100~240В~
- Current/전류/Электрический ток : 1.8A
- Frequency/주파수/Частота : 50/60Hz / 50/60 Гц
- Serial No./제조년월

CAUTION
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DP OUT

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IR

A/S

	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	14/15

9. Packing (포장)

9.1. Product Packing (제품 포장)

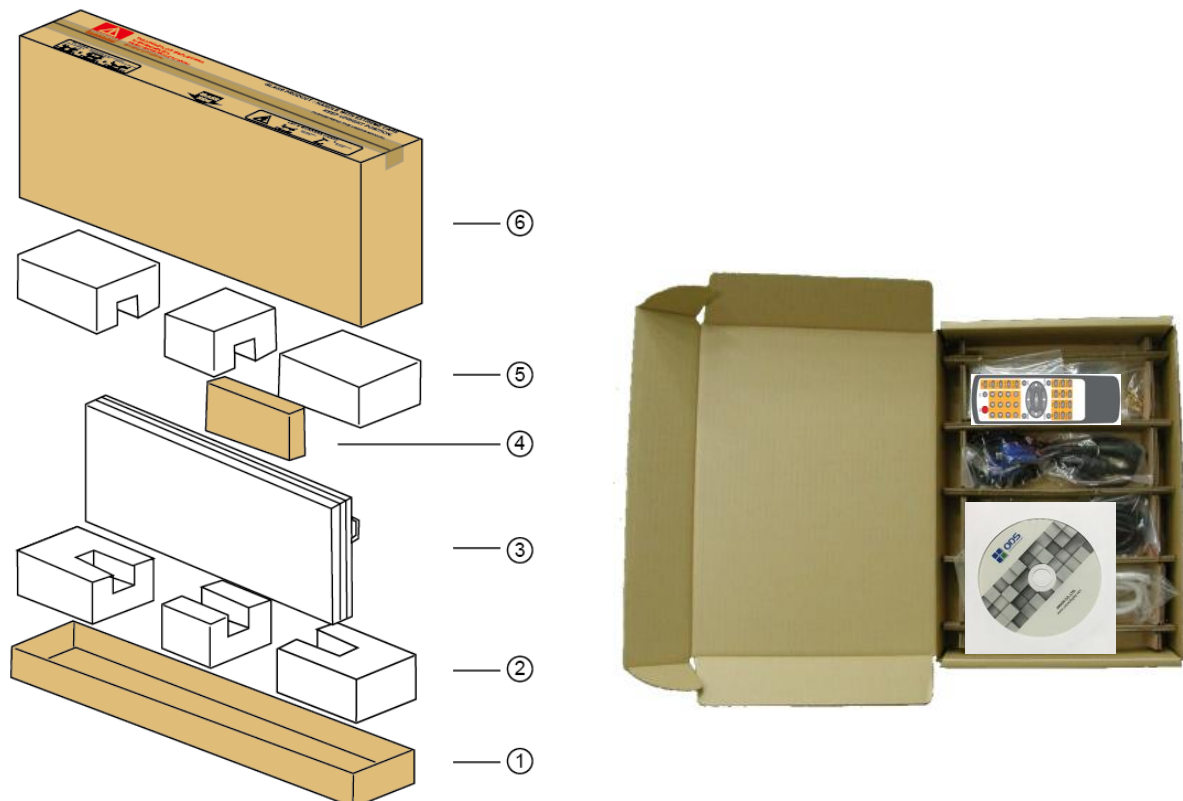
1) Box Packing Specifications(박스 포장 사양)

- 1 Box : 1 Monitor

Model Name	OLME-K4950 / OLME-K4970
Dimension (L x W x H mm)	1,170 x 255 x 700
Weight (Kg)	28 ± 0.5

2) Box Packing Assembly Drawing(박스 포장 외관)

No.	Item
1	Carton Box Bottom
2	Bottom Pad Left, Bottom Pad Middle, Bottom Pad Right
3	MLCD Set
4	Accessory Box
5	Top Pad Left, Top Pad Middle, Top Pad Right
6	Carton Box Top



	SPEC. NO.	OMS-GW790268/ OMS-GW790269	REV. DATE	2019. 07. 30
	SPEC. NAME	PRODUCT SPECIFICATION 제품 사양서	REV. NO.	1.1
			PAGES	15/15

9.2. Pallet Packing(파렛트 포장)

1) Pallet Packing Specifications(파렛트 포장 사양)

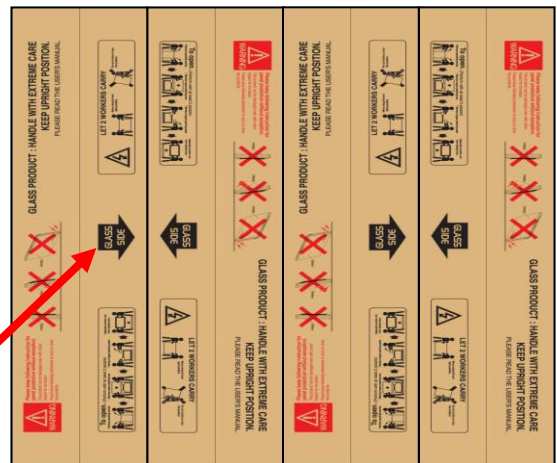
ITEM	OLME-K4950 / OLME-K4970	
	FCL	LCL or Air
Number of boxes in 1 pallet	4 boxes(4 monitors)	
Dimension (L x W x H mm)	1,230 x 1,130 x 825	1,195 x 1,095 x 760
Weight(Kg)	130 ± 1	135 ± 2

2) Pallet Packing Assembly Drawing(파렛트 포장 외관)

- FCL Packing



- The loading direction of MLCD on the pallet
(파렛트 위, MLCD 적재 방향)



- LCL or Air Packing



오리온퍼디피 : 02-6678-8509 / 054-460-5956

구매자		Buyer	
수출국		Country	
모델명		Model #	
수량		Quantity	
파렛트번호		Production	
총파렛트		Serial #	