

# **360 Signage Cube**

**( Ceiling & Stand Type )**

## **Assembly Instructions**



**AVA Vision Inc.**

## [Document History]

No.	date	REV	Description	Remark
1	2022.04.13	0.1	Draft	BMK
2	2022.06.17	0.2	Ceiling & Stand, Wall로 구분, Module 변경	BMK
3	2022.07.05	0.3	Ceiling & Stand, Wall 분리	BMK

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 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
	<b>Date</b>	<b>2022-07-05</b>	<b>Revision</b>	<b>0.3</b>

## 1. Overview

### 1.1. Electrical Part List

<b>Part Name</b>	<b>Specification</b>	<b>Units</b>
LED Module	Indoor soft led module 240 x 120mm with magnet	8
Synchronous Sending Card	HD-T901	1
Receiving Card	HD-R512T	4
Set-top Box	RK3328, RAM 2GB DDR4, Quad-Core ARM Cortex-A53, 64-Bit, 16GB eMMC Flash, DC 12V / 1.5A (Antenna 포함)	1
Power Supply	220VAC Input, 5VDC/60A Output, 300W, Made in Korea	1
Cord Connector (AC Concent)	접지 노출 1구 코드콘넥터 (나사타입)	1
Termina Block	고정식 단자대 JOTB 20-3P, 220VAC, 2.5kA / 3kA,	1

[Table 1] Electrical Part List

 <b>[주] 아바비전</b>	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 1.2. Mechanical Part List

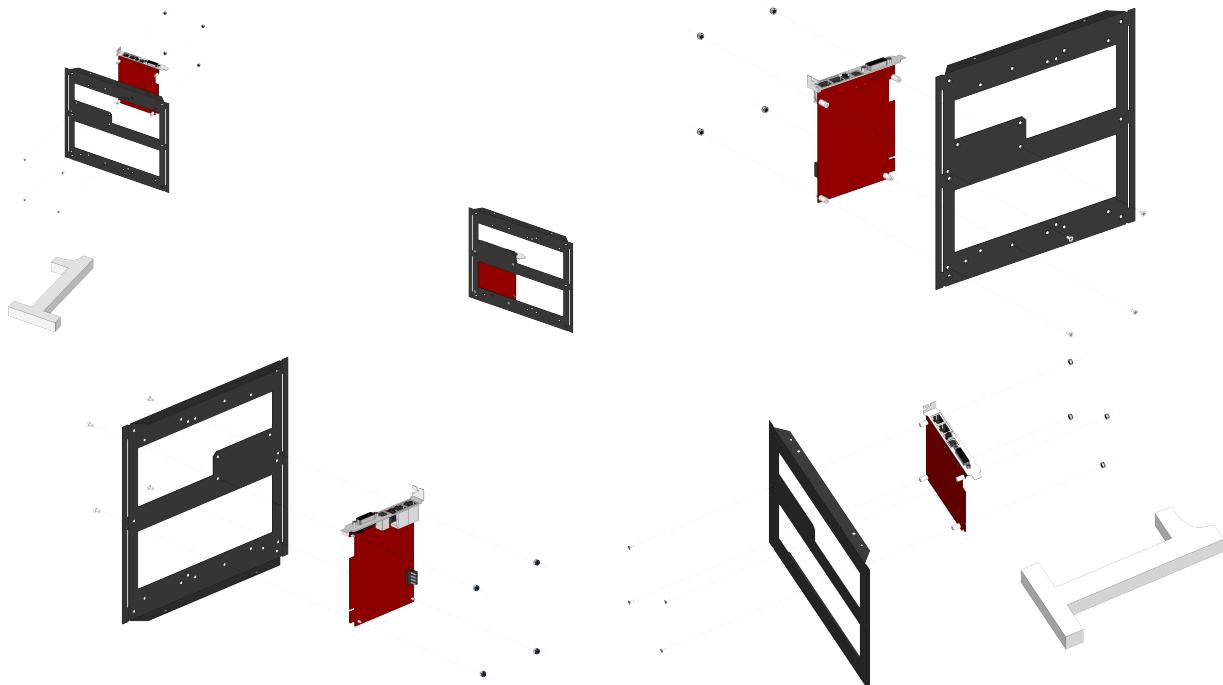
<b>Part Name</b>	<b>Specification</b>	<b>Units</b>
Top Plate	3001-020-0051, Cube 240-240, 1.2mm Thickness, SPCC, Black Powder Coating	1
Bottom Plate	3001-020-0052, Cube 240-240, 1.2mm Thickness, SPCC, Black Powder Coating	1
Inner Top Plate	3001-020-0053, Cube 240-240, 1.2mm Thickness, EGI	1
Left & Right Plate	3001-022-0055, Cube 240-240, 1.2mm Thickness, SPCC, Black Powder Coating	2
Front & Rear Plate	3001-020-0058, Radius 350-240, 1.2mm Thickness, SPCC, Black Powder Coating	2
Controller Bracket	3001-022-0020, 1.2mm Thickness, MGI	1
Mounting Ceiling Bracket	3001-020-0050, 3.0mm Thickness, SPCC, Black Powder Coating	1 Option - Ceiling
Mounting Stand Bracket	3001-021-0050, 3.0mm Thickness, SPCC, Black Powder Coating	1 Option - Stand
Mounting Stand	3001-021-0051, 3.0mm Thickness, SPCC, Black Powder Coating	1 Option - Stand

[Table 2] Mechanical Part List

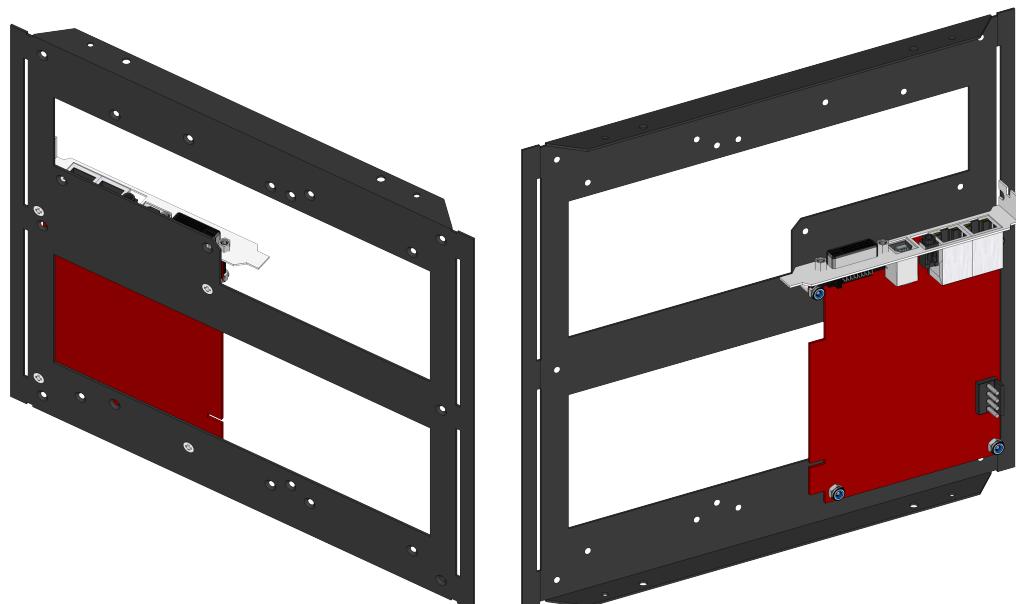
 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 2. Assembly Process

### 2.1. Front Plate 조립



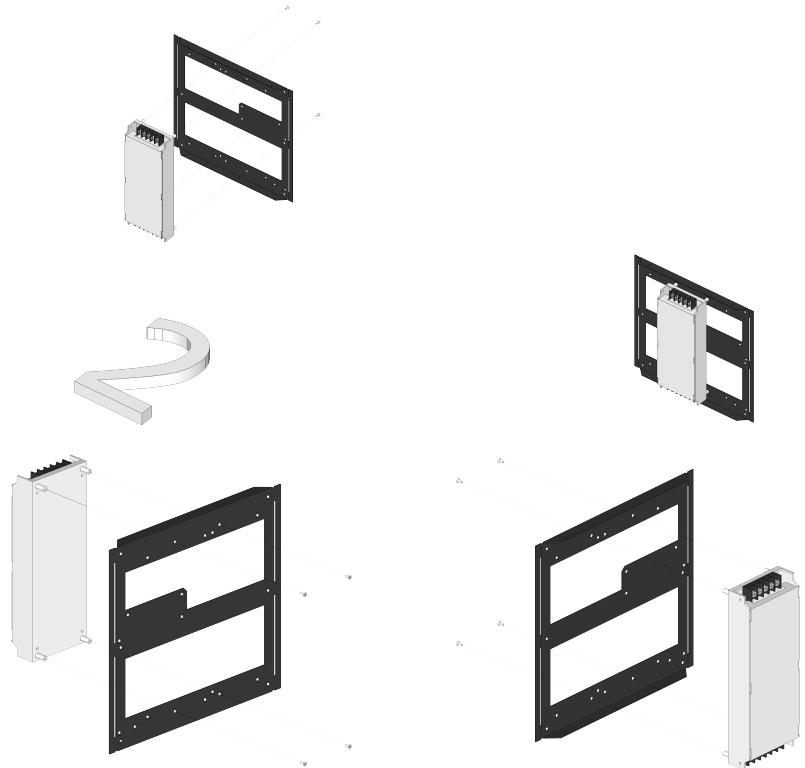
- M3 x 6mm 소두 접시머리(검정) 볼트 4개소
- M3 x 10mm Stand Off 4개소, M3 Nylon Nuts 4개소, Sending Card HD-T901 1개



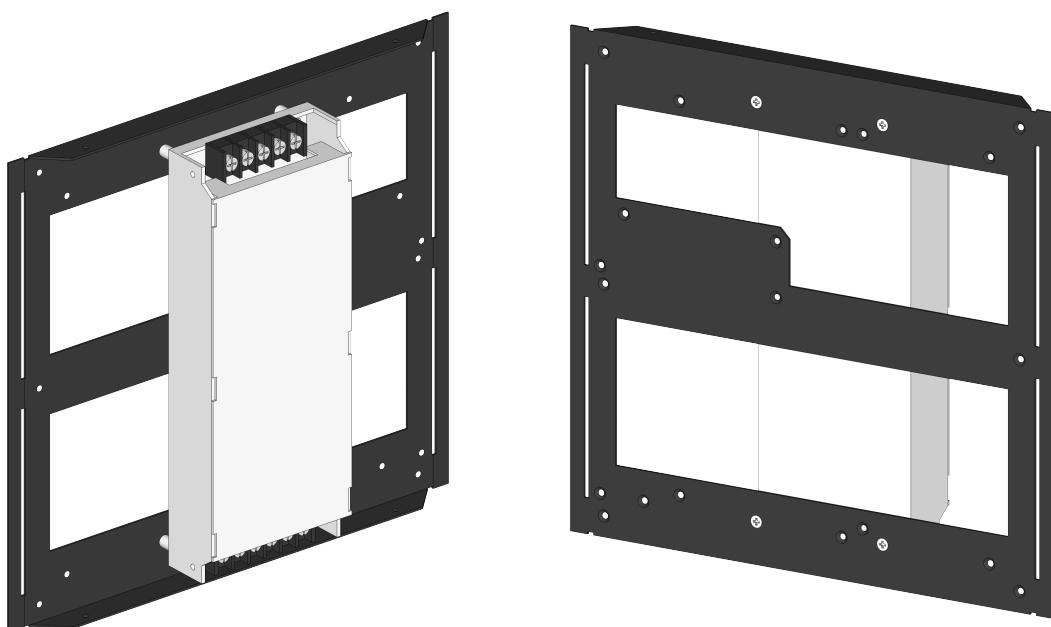
[Picture 1] Front Plate 조립

 [주] 아바비전	Product	360 Signage Cube (Ceiling & Stand Type)	Document name	Assembly Instructions
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## 2.2. Rear Plate 조립



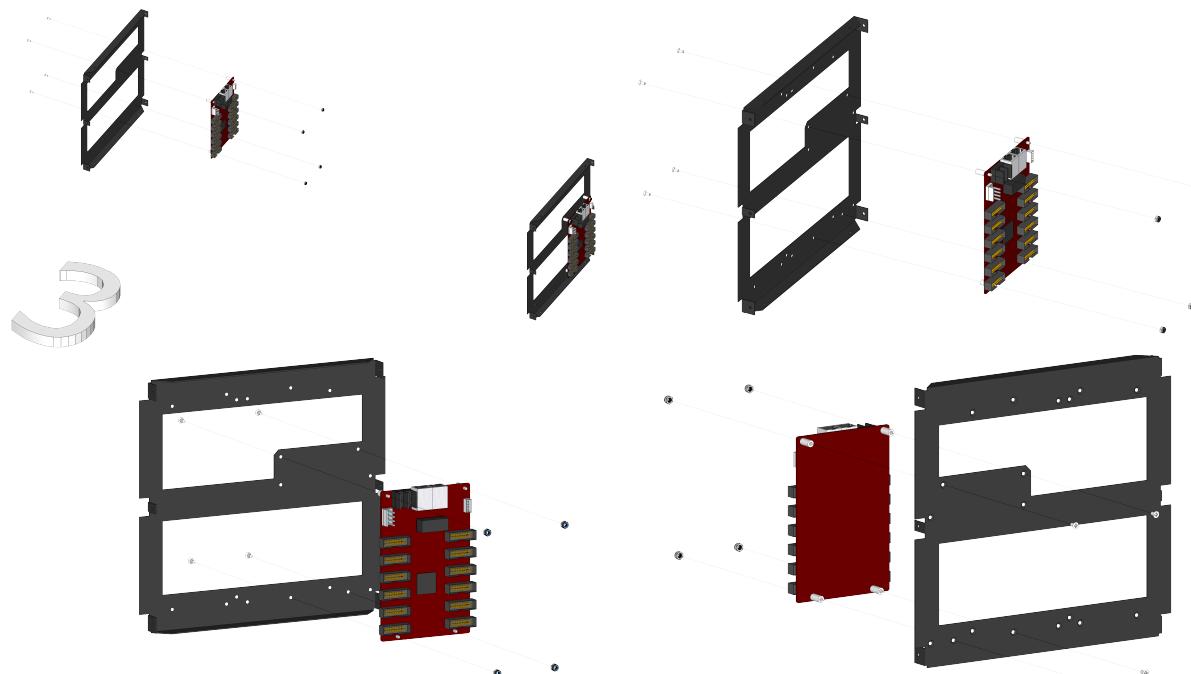
- M3 x 10mm Stand Off 4개소, Power Supply 5VDC/60W 1개
- M3 x 6mm 소두 접시머리(검정) 볼트 4개소



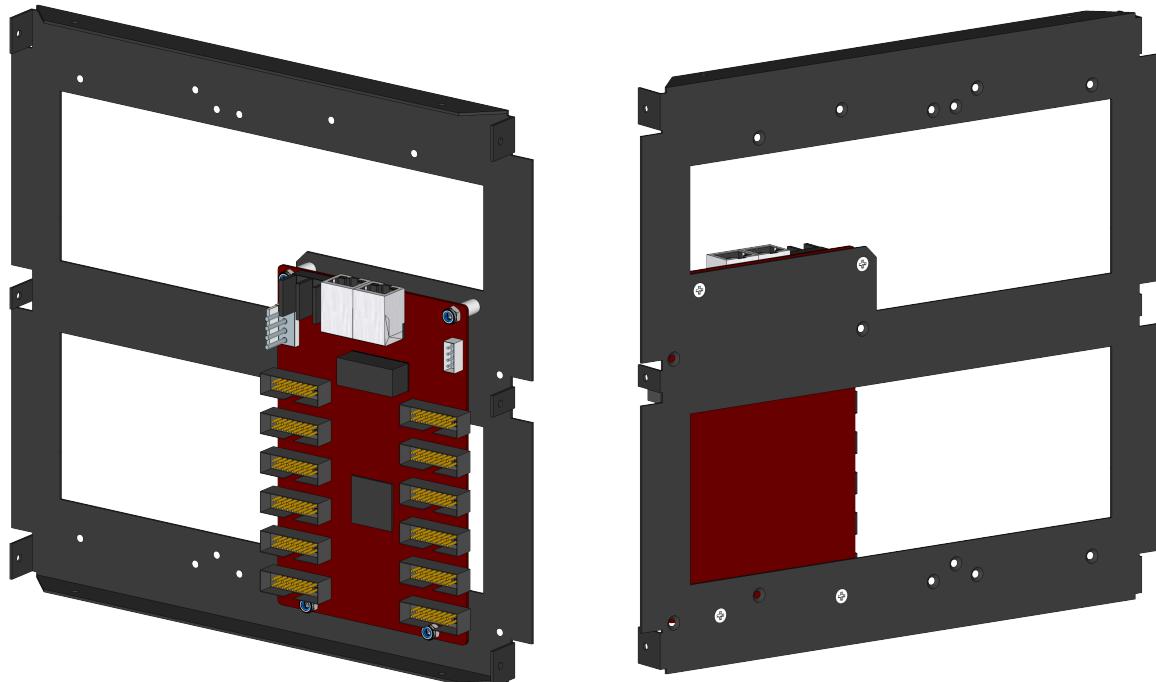
[Picture 2] Left & Right Plate 조립

 <b>[주] 아바비전</b>	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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### 2.3. Left Plate 조립



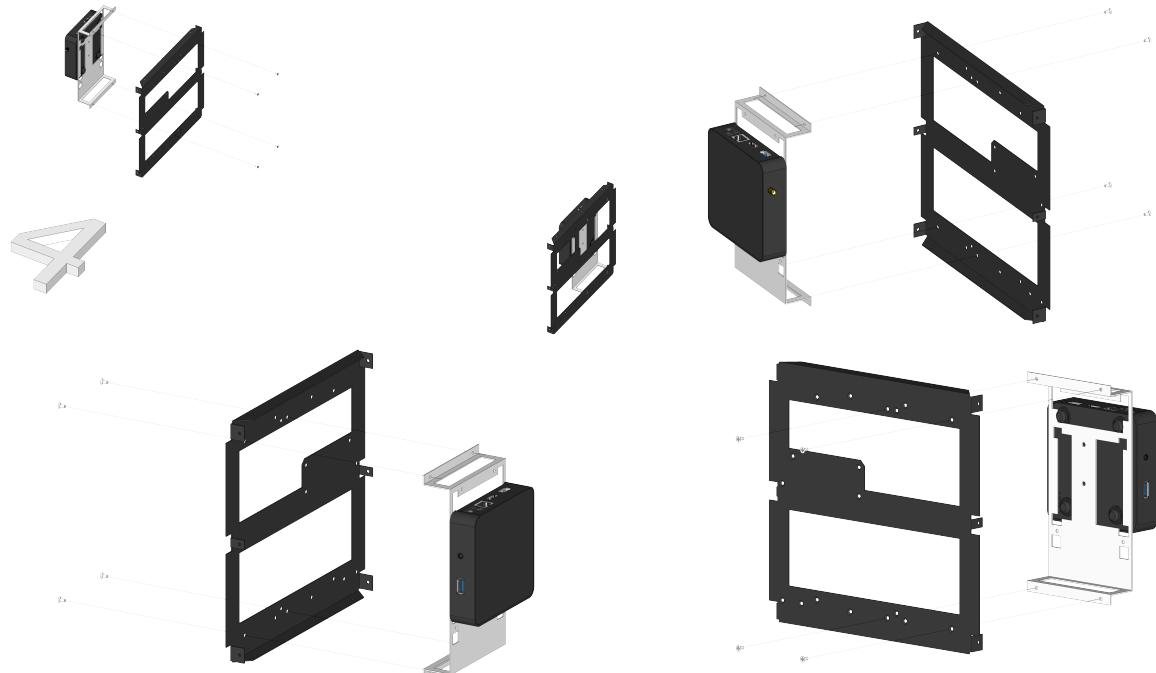
- M3 x 10mm Stand Off 4개소, M3 Nylon Nuts 4개소, Receiving Card HD-R512T 1개
- M3 x 6mm 소두 접시머리(검정) 볼트 4개소



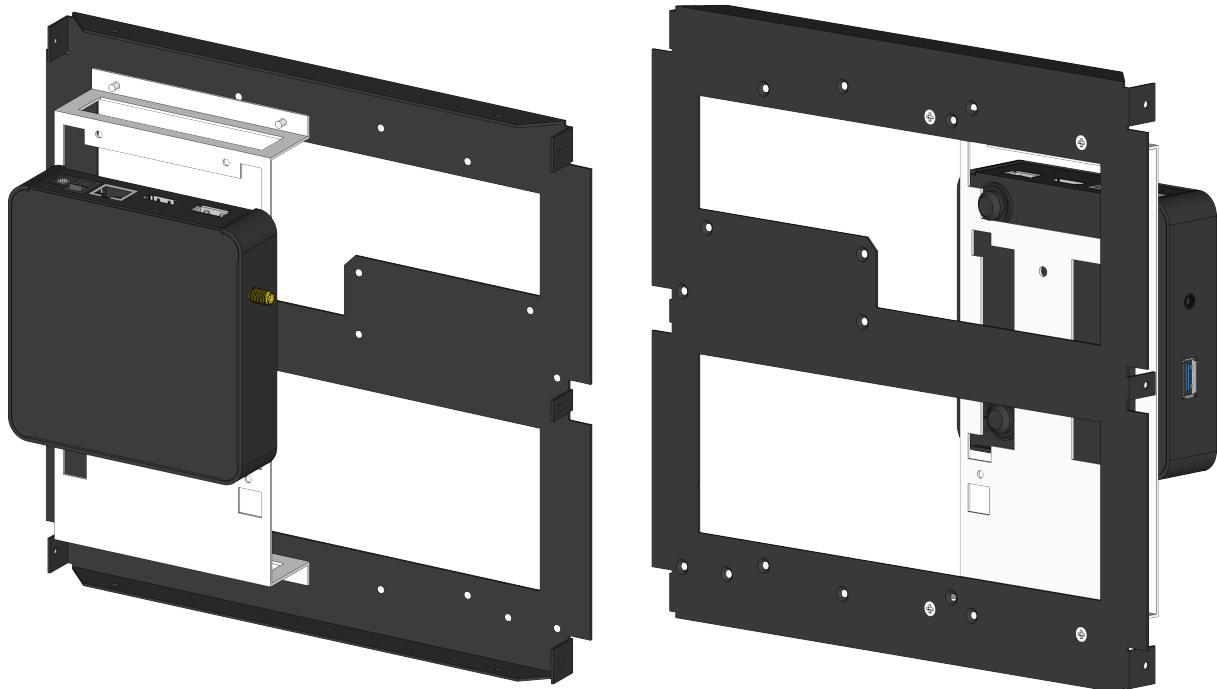
[Picture 3] Left Plate 조립

 <b>[주] 아바비전</b>	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 2.4. Right Plate 조립



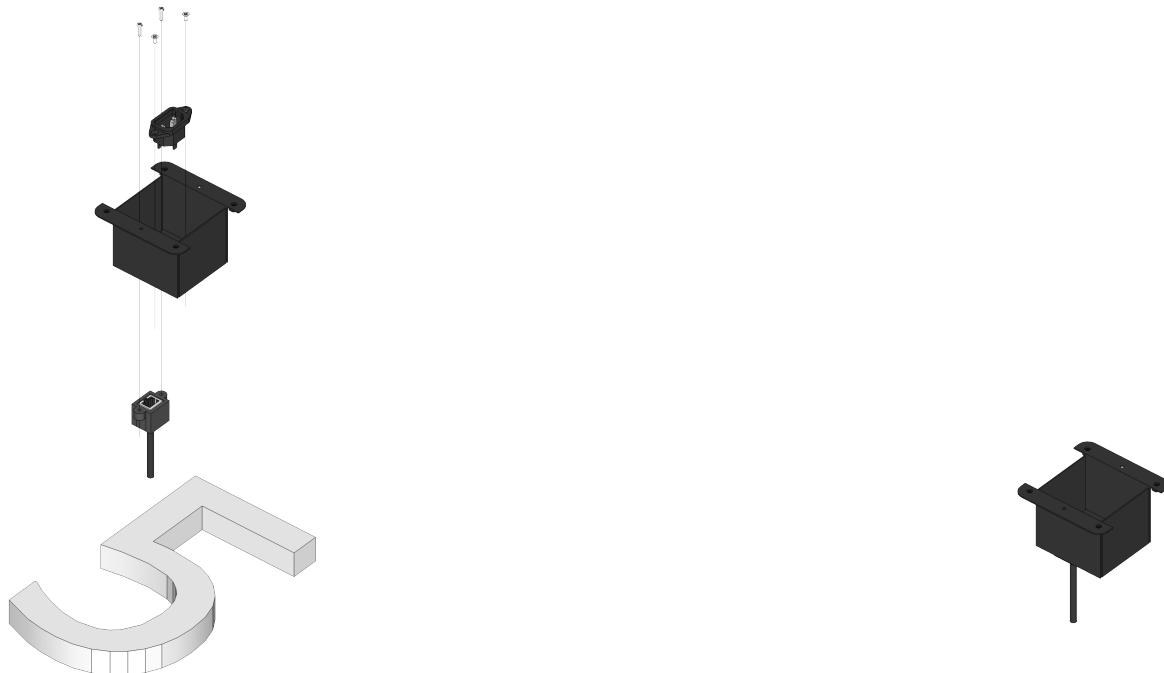
- Controller Bracket 1개, STB 1개, 3M 양면테이프
- M3 x 6mm 소두 접시머리(검정) 볼트 4개소



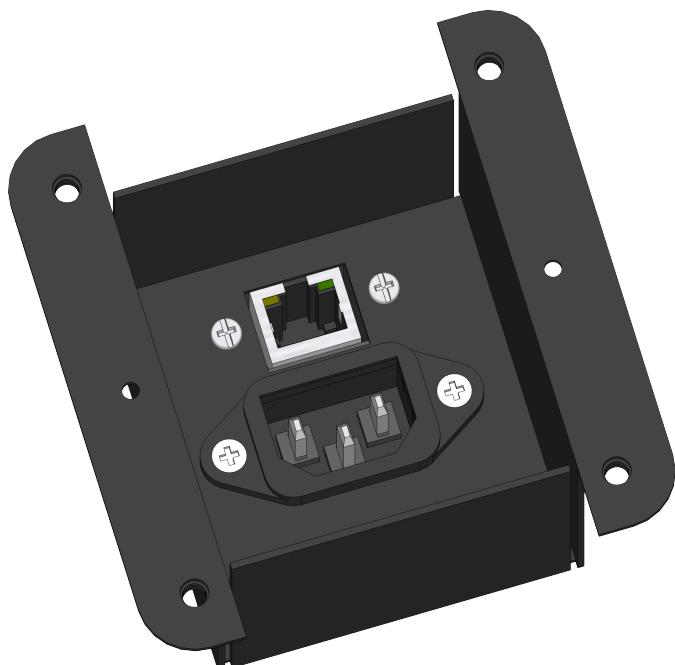
[Picture 4] Right Plate 조립

 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 2.5. Inner Top Plate 조립



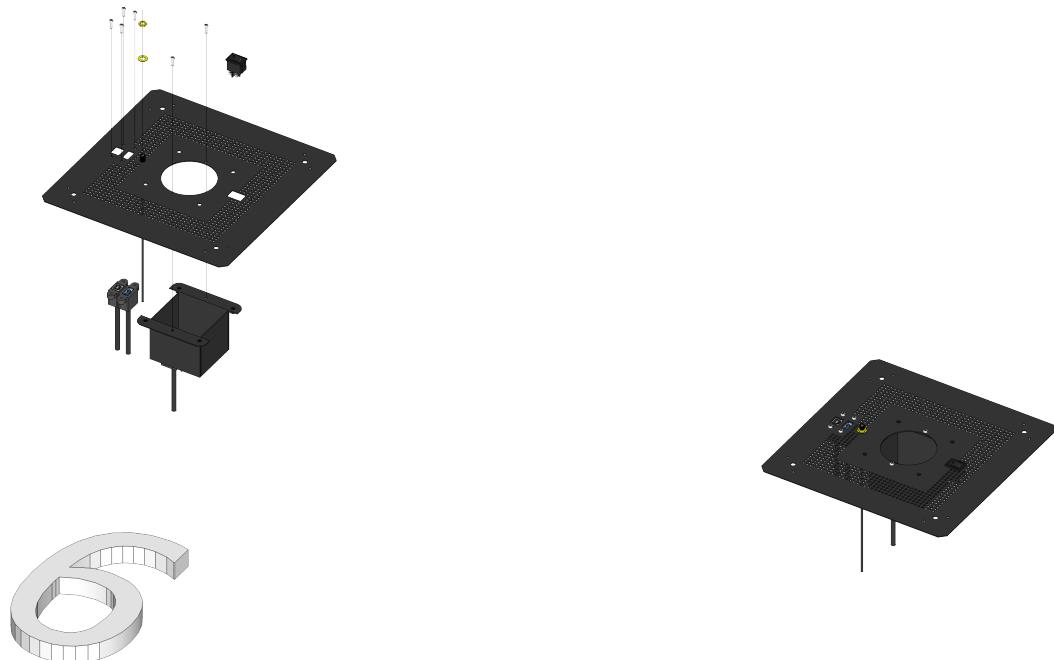
- M3 x 6mm 등근머리(검정) 볼트 2개소, RJ45 연장케이블 1개
- M3 x 6mm 소두 접시머리(검정) 볼트 2개소, AC Socket 1개



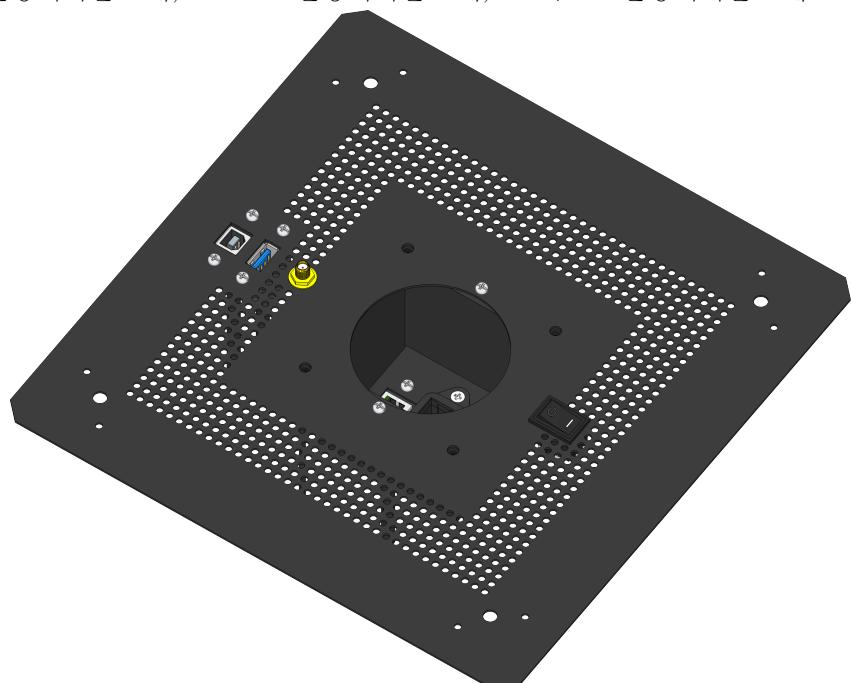
[Picture 5] Inner Top Plate 조립

 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 2.6. Top Plate 조립



- M3 x 6mm 등근머리(검정) 볼트 6개소, Inner Top Plate Ass'y, Power Switch 1개
- USB-A 연장케이블 1개, USB-B 연장케이블 1개, WiFi/BT 연장케이블 1개



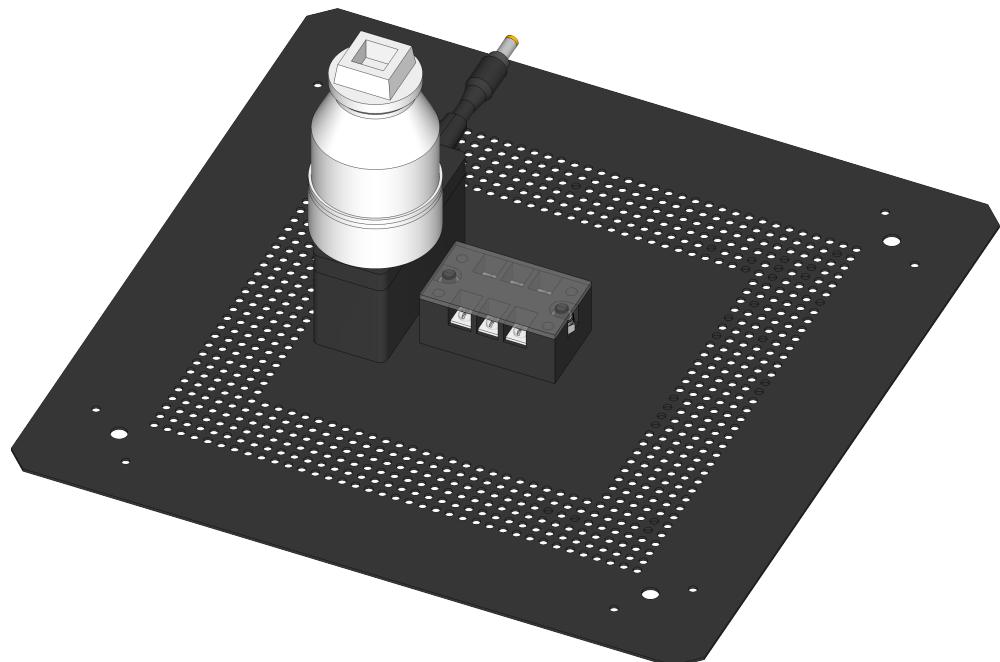
[Picture 6] Top Plate 조립

 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 2.7. Bottom Plate 조립



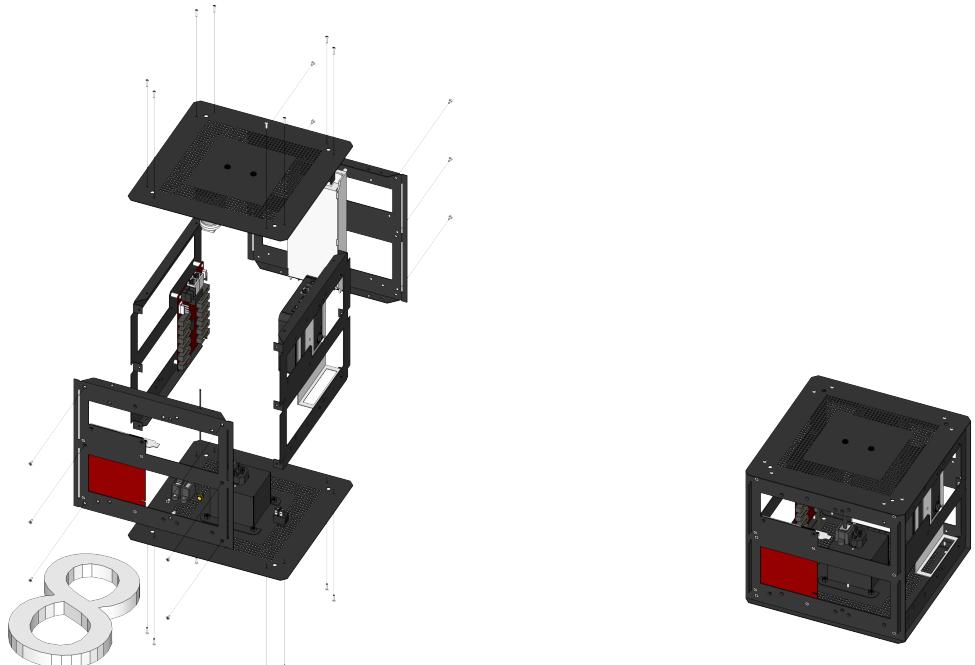
- M4 x 15mm 등근머리(검정) 볼트 2개소, M4 Nyron Nuts 2개소
- 3M 양면테이프, 코드코넥터 1개, STB AC Adaptor 1개



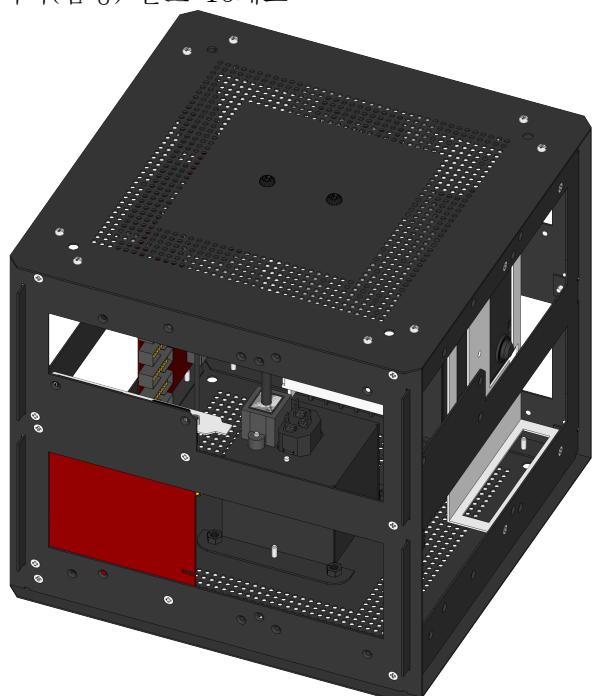
[Picture 7] Bottom Plate 조립

 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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## 2.8. Assembly



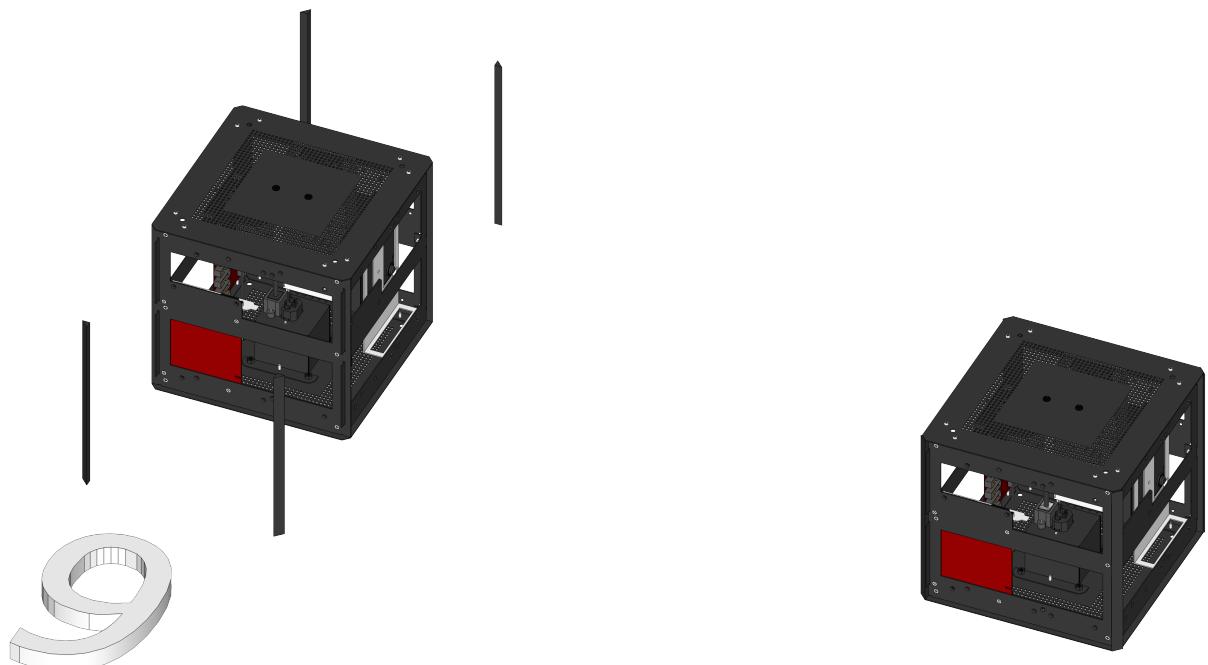
- M3 x 6mm 소두 접시머리(검정) 볼트 12개소
- M3 x 6mm 둥근머리(검정) 볼트 16개소



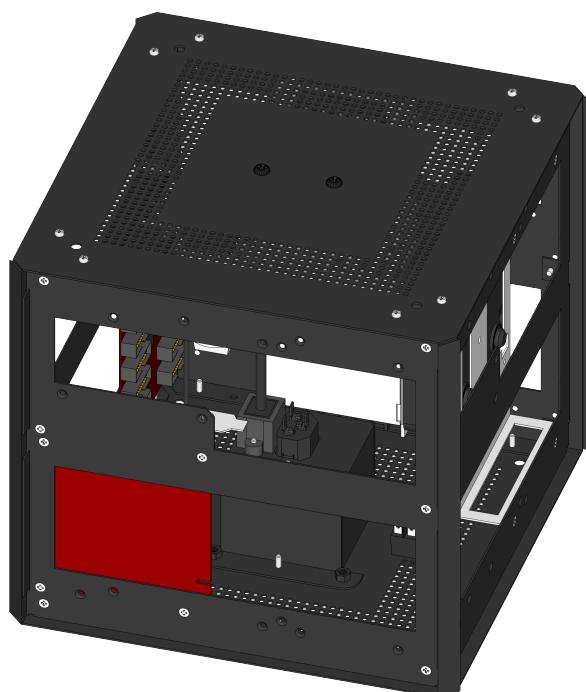
[Picture 8] Assembly

 [주] 아바비전	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
	<b>Date</b>	<b>2022-07-05</b>	<b>Revision</b>	<b>0.3</b>

## 2.9. Chamfer 조립



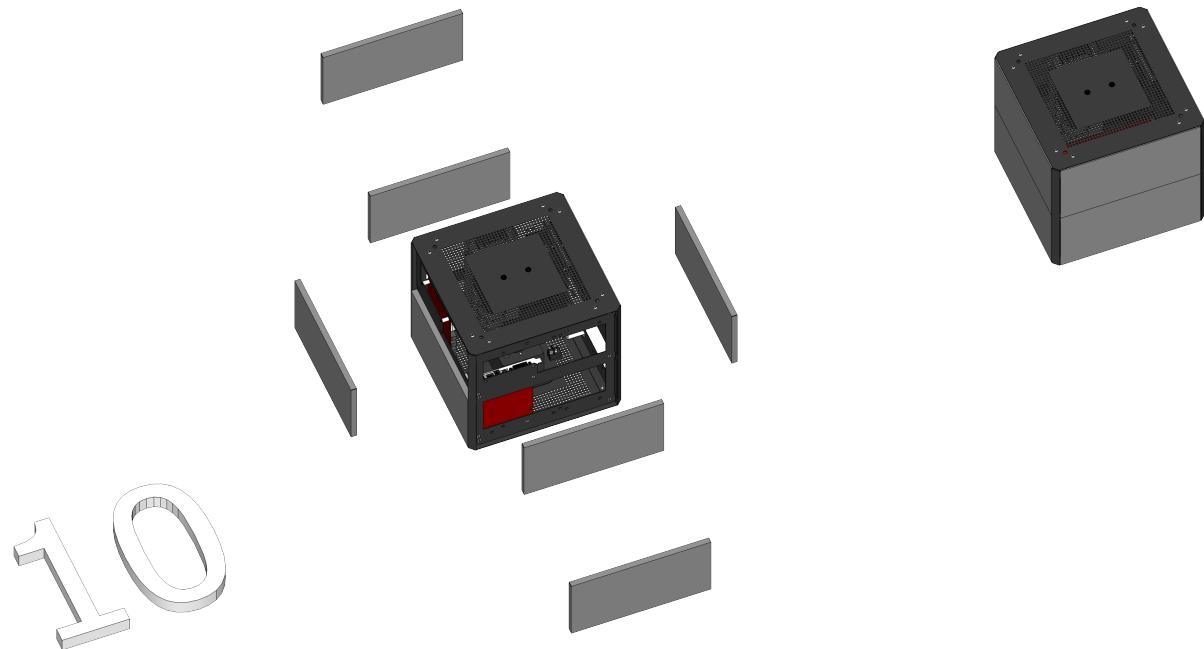
- 8mm x 8mm Chamfer 4개소



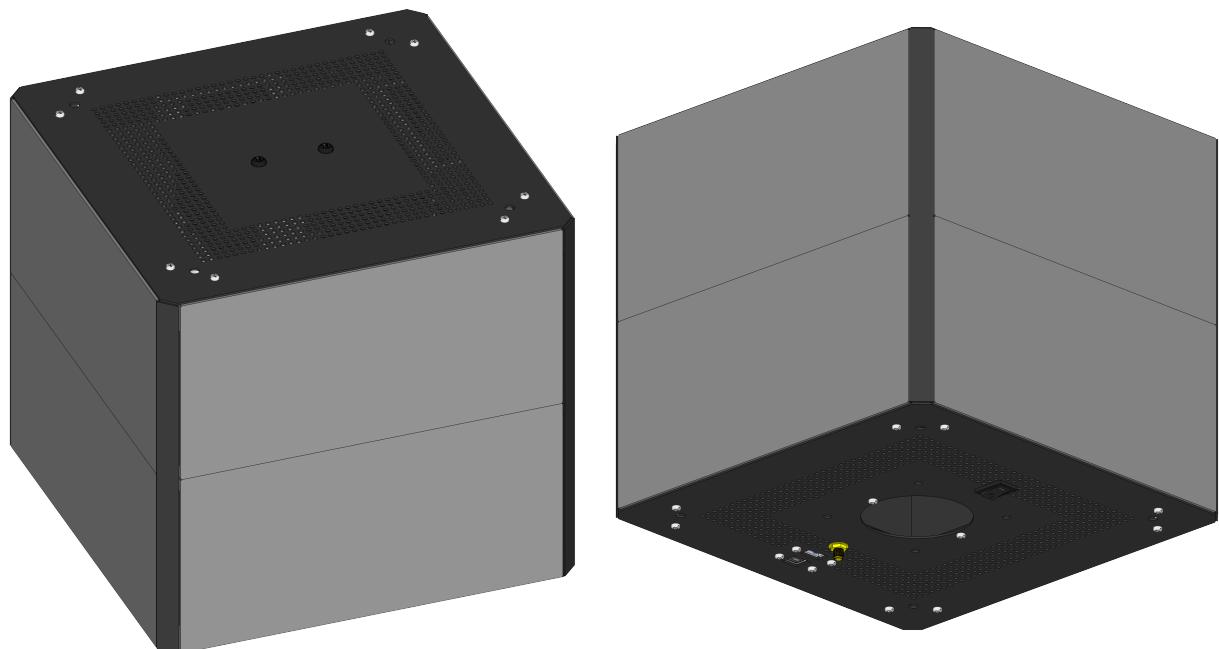
[Picture 9] Chamfer 조립

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## 2.10. LED Module 조립



- LED Module 240mm x 120mm 8개

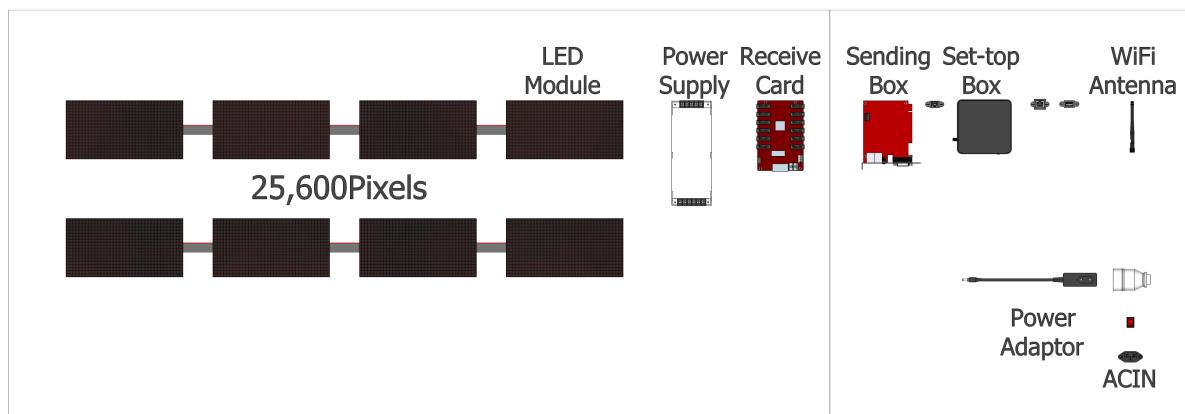


[Picture 10] LED Module 조립 및 완성도

 <b>[주] 아바비전</b>	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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### 3. 구성 및 연결

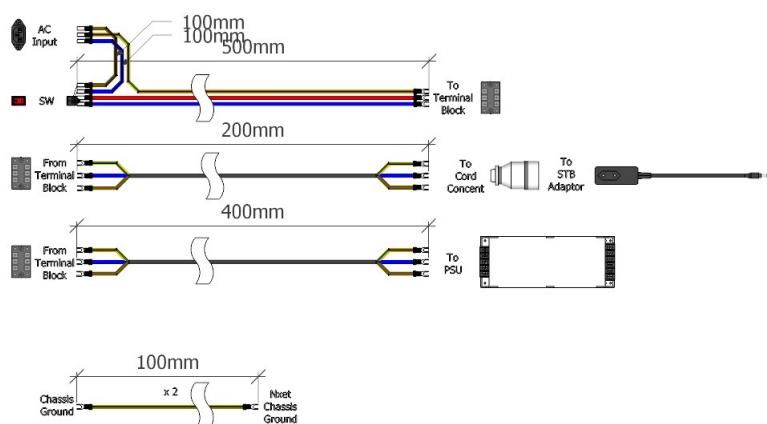
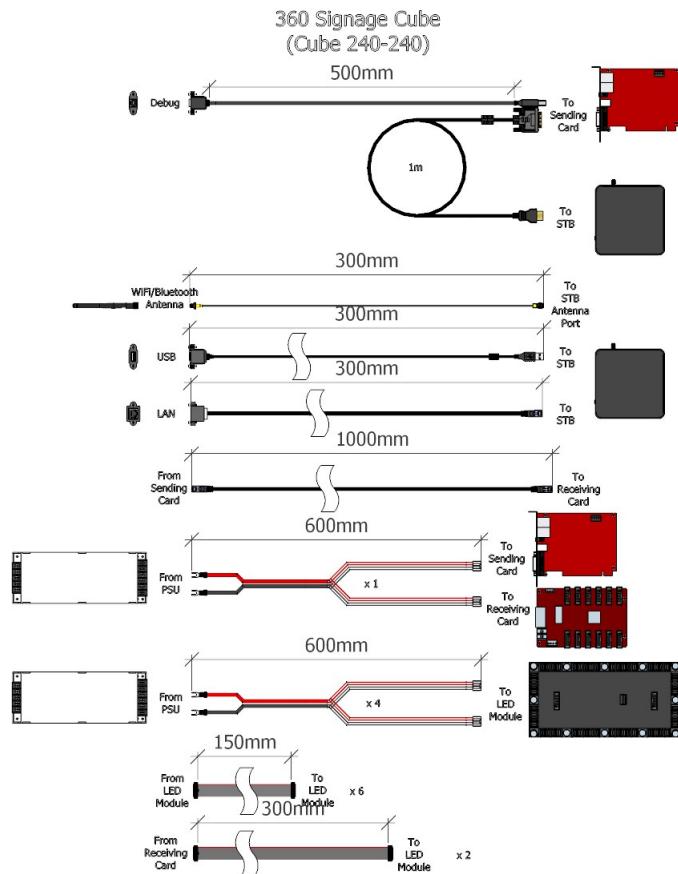
#### 3.1. System Configuration



[Picture 11] System Configuration

 <b>[주] 아바비전</b> Audio Visual Applications	<b>Product</b>	<b>360 Signage Cube (Ceiling &amp; Stand Type)</b>	<b>Document name</b>	<b>Assembly Instructions</b>
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### 3.2. System Electric Wiring Diagram



[Picture 12] System Electric Wiring Diagram