

## 55" Transparent OLED Sunroof Solution

faytech's 55" Transparent OLED Sunroof revolutionizes automotive design with its innovative transparency feature. This product allows natural light to flood the interior while showcasing vibrant visuals, enhancing the driving experience. Its sleek design ensures that it can be integrated seamlessly into modern vehicles, providing both style and functionality. This sunroof represents a significant advancement in how technology and design can merge in automotive applications, offering a fresh perspective for drivers and passengers alike.



This Transparent OLED Sunroof features **Double-layered Cover Glass** and **CLEAR-BOND® Optical Bonding Technology**, which provides:



### CLEAR-BOND® Optical Bonding with Double-Layered Cover Glass

- Reduced reflections
- Enhanced durability
- Improved contrast and colors
- Increased readability
- Reduced Shattering Risk
- Enhanced Brightness and Clarity
- Improved Heat Capacity

Optical Bonding

Optical Bonding



Outer Glass

Inner Glass

Transparent OLED

Inner Cushion Car



<b>Product name</b>				<b>55" Transparent OLED Sunroof</b>			
<b>Model number</b>				<b>FT55TOLEDSR</b>			
Global Article Code	European Article Code	Release date (DIM/Y)	Version*	Global Article Code	European Article Code	Release date (DIM/Y)	Version*
TBD	-	01/03/2025	v1				

Transparent OLED Display	
Display Technology	Transparent OLED
Active Screen Size	54.64 inch
Pixel Pitch	0.63 x 0.63 mm
Pixel Format	1920 x 1080 Pixels, RWBG Quad arrangement
Color Depth	10bit (R), 1.07 Billion colors
Viewing Angle	R/L 120 (min.), U/D 120 (min.)
Transparency	43% (Typ.)
Surface Treatment	Anti-glare (chemical etching)
IK Protection	IK08
Printing Color	RAL9004 (Black)
Printing Type	Ceramic
Glass Thickness	2x 2.0 mm cover glass
Optical Bonding	CLEAR-BOND®
Display Interface	V-by-One
Interface Connections	51-pin connector (for module) & 14-pin connector (for EVDD)

Chassis	
Design	Dual-Axis bended w/ silk print
IP Protection	IP65 Top / IP40 Internal
Material	Aluminum
Color	Custom
Size	Custom
Mounting	Intergration / Custom

Weight	
Net Weight	~5.30 kg est.
Gross Weight	~15.30 kg est. (incl. Cartonage)

Power	
Working Power	9-36 V
Power Consumption	63.04 W (Typ.)
Stand-By Consumption	<1 W
Power Management	Extended DC-DC Regulation

Certifications	
CE	Yes
FCC	Yes
E-Mark	Yes
Other	Upon Request

Environmental Conditions	
Operation Temperature	-10°C to 60°C
Storage Temperature	-20°C to 60°C
Humidity Range	10% to 90%

