



# Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org/certification/programs](http://www.wi-fi.org/certification/programs)

**Certification ID: WFA70096**

## Product Info

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Date of Certification</b> | January 25, 2017                |
| <b>Company</b>               | Sony Group Corporation          |
| <b>Product Name</b>          | Digital TV BRAVIA               |
| <b>Product Model Variant</b> | 2017-01-25 (WFA70096 - 5045022) |
| <b>Model Number</b>          | KD-49TR1101                     |
| <b>Category</b>              | Televisions & Set Top Boxes     |
| <b>Sub-category</b>          | Television                      |

## Summary of Certifications

| <b>CLASSIFICATION</b>                     | <b>CERTIFICATION</b>   |
|---|--|
| <b>Access</b>                             | Wi-Fi Protected Setup™   |
| <b>Applications &amp; Services</b>        | Miracast®  |
| <b>Connectivity</b>                       | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n<br>Wi-Fi Direct® |
| <b>Optimization</b>                       | TDLS<br>WMM®   |
| <b>Security</b>                           | Protected Management Frames<br>WPA2™-Personal  |
| <b>Spectrum &amp; Regulatory Features</b> | Spectrum & Regulatory  |



# Wi-Fi CERTIFIED™ Certificate

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android

### Wi-Fi Component Firmware

20161107

### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz         | 2             | 2            |
| 5 GHz           | 2             | 2            |

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
40 MHz Channel Width in 5 GHz  
80 MHz Channel Width in 5 GHz

### Protected Management Frames

### Spectrum & Regulatory

802.11h

### TDLS

### WMM®

### WPA2™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
LDPC Rx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
LDPC Tx  
SU beamformee

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC  
A-MPDU Tx  
OBSS on Extension Channel  
RIFS  
Short Guard Interval

### Wi-Fi Direct®

### Wi-Fi Protected Setup™



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## Wi-Fi Protected Setup™ (continued)

PIN

Pushbutton



# Wi-Fi CERTIFIED™ Certificate

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Role: Display

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Miracast®