

# MediaTek Dimensity 720

Premium Experiences for Mid-Range 5G Smartphones

MEDIATEK

**With innate energy-efficient innovations in an ultra-small 7nm SoC, the MediaTek Dimensity 720 is the most efficient 5G chip in its class. In addition to a fully-integrated 5G modem, MediaTek 5G UltraSave provides a range of extra power-saving technologies.**

The Dimensity 720 features faster LPDDR4X and fast UFS 2.2-class storage than alternative chips. Together with the octa-core CPU featuring two, powerful Arm Cortex-A76 'Big' cores and a capable Arm Mali G57-class GPU this combination provides reliably responsive performance for everyday activities.

Brands can embrace fast refresh displays up to 90Hz, improving the everyday smartphone experience with

smoother visuals, while MedaTek MiraVision video technologies amplify quality of HDR video playback.

Brands have the freedom to embrace up to four cameras in their smartphone designs, including up to large 64MP sensors, while the integral audio hardware can listen for multiple trigger words with ultra-low power use to enable smartphones to use more than one voice assistant service, improving consumer choice.

## Key Technology Advantages

- Fully 5G-integrated SoC
- Up to 64MP cameras
- LPDDR4X up to 2133MHz
- UFS 2.2-class storage
- TSMC 7nm

## MediaTek MiraVision Video & Display

- HDR10+ Enhanced with 'Local Tone Mapping'
- Real-time HDR10+ -like quality upgrade
- Dynamic display assessment and remapping

## MediaTek 5G UltraSave

- MediaTek 5G UltraSave Network Environment Detection
- MediaTek 5G UltraSave OTA Content Awareness
- Dynamic BWP
- C-DRX (Connected Mode DRX)

## MediaTek Dimensity 720

<b>CPU</b>	Octa-Core: 2x ARM Cortex-A76 up to 2GHz; 6x ARM Cortex-A55 up to 2GHz
<b>Memory</b>	LPDDR4x up to 12GB, 2133MHz
<b>GPU</b>	Arm Mali G57 MC3
<b>Camera</b>	64MP @ 22fps or 20+16MP @ 30fps
<b>Video Decoding</b>	4K 30fps, H.264/265/VP9
<b>Video Encoding</b>	4K 30fps, H.264/265
<b>Display</b>	2520 x 1080 (Full HD+) @ 21:9, up to 90Hz
<b>AI</b>	MediaTek APU
<b>Storage</b>	UFS 2.2-class
<b>Modem</b>	5G Up to 2CC 2.34Gbps, SA & NSA, Sub-6GHz, 5G+4G
<b>Connectivity</b>	Up to 2X2 Wi-Fi 5 (802.11 a/b/g/n/ac), Bluetooth 5.1
<b>Location</b>	GPS + Glonass + Beidou + Galileo