

MediaTek Pentonic 700

Premium 4K 120Hz SoC with integrated Motion Estimate and Motion Compensation (MEMC) and powerful AI Processor

Powerful AI Image Enhancements

MediaTek-designed AI processor and AI image processing tools for power-efficient, real-time enhancements for all media.

- AI-Super Resolution 2.0 with edge smoothing and detail reconstruction
- AI-Picture Quality Scene Recognition 2.0
- AI-Picture Quality Object Recognition 2.5 with depth enhancement

Premium Entertainment

Ready-made for the latest HDR displays and premium Dolby experiences. Hardware video decoding and global demod ensures no-limits to broadcast and streaming media.

- Up to 4K 120Hz HDR displays
- Dolby Vision IQ with Precision Detail
- Dolby Atmos
- Hardware video decoding engine: HEVC, AV1, AVS3 & VVC
- Full Region Demod

Incredible Gaming

Brands can target new audiences with tailored designs expressly for big screen PC and console gaming.

- Up to 4K144 VRR display support
- Dolby Vision/HDR10/HDR10+ Gaming

Watch Party & Group Calls

Pentonic 700 can stream and display a wall of content windows (PbP/PIP) in a single view.

- Stream different sporting events, or different angle of one event at the same time
- Watch together with family and friends on a video call
- Showcase several sources of streaming news and info in offices

Super-Fast Wireless Connectivity

Smart TV brands can add MediaTek Filogic Wi-Fi connectivity, for fast wireless network access.

- Wi-Fi 6/6E
- Ready for ultra-high speed Wi-Fi 7 soon
- Far-reaching and fast Bluetooth 5
- Wi-Fi & Bluetooth coexistence