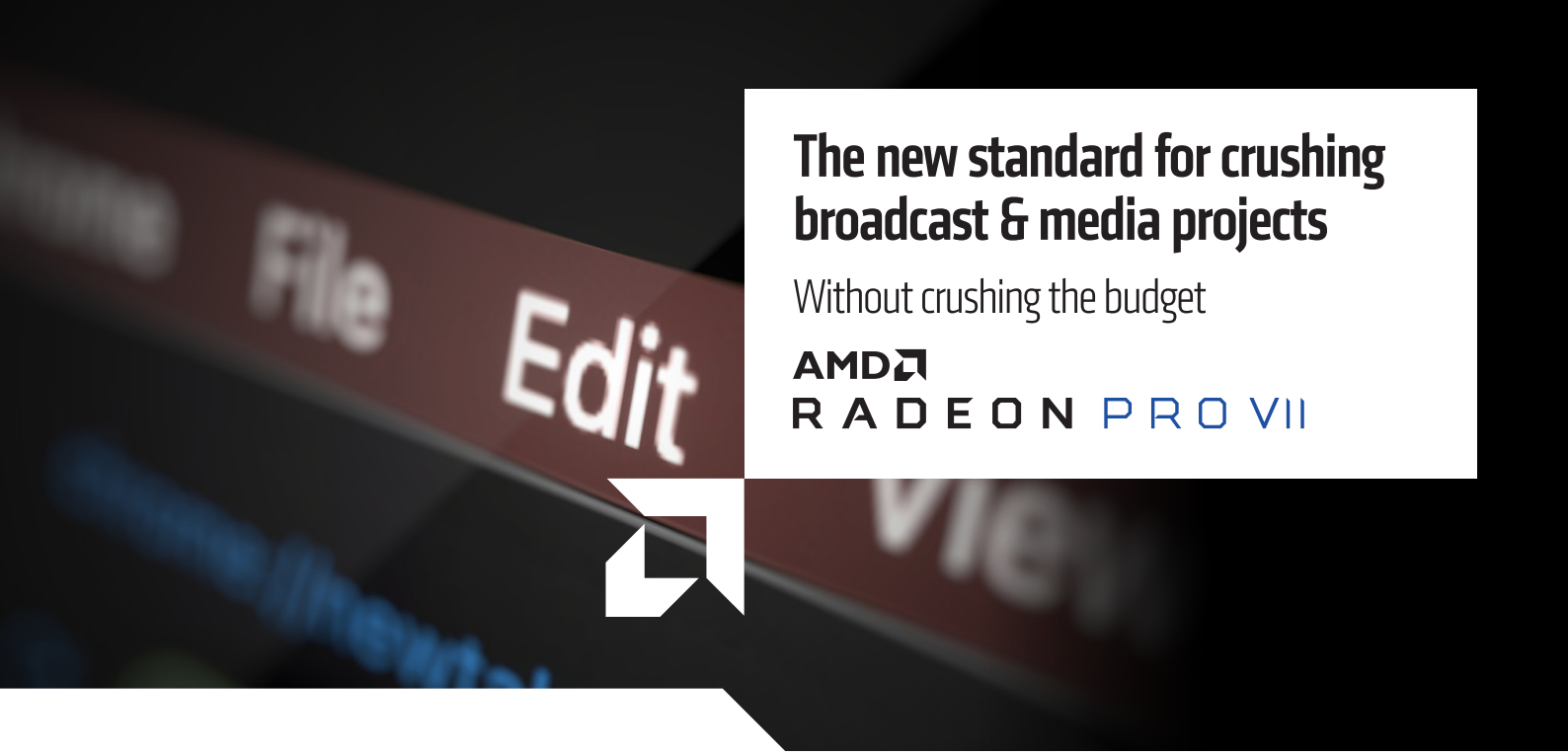

The new standard for crushing broadcast & media projects

Without crushing the budget

AMD
RADEON PRO VII

Today's broadcast and media bottlenecks

As content increases in size and complexity, and 8K multi-stream projects become the standard, the increase in software reliance on a powerful GPU increases too. With many of today's software vendors looking to the local GPU for effect, codec and node acceleration the need for a dedicated, reliable and affordable professional solution rise. You may have experienced software performance slow-downs today, and these are typically due to a lack of GPU compute or memory bandwidth speed. The Radeon™ Pro VII GPU answers these needs.

The new GPU standard for UHD projects

Powered by the 7nm "Vega" architecture, 16GB of high-speed HBM2 memory, and support of up to six display outputs, the AMD Radeon™ Pro VII GPU delivers exceptional UHD and 8K high-resolution experiences. Access to the latest hardware on the Radeon™ Pro VII graphics card brings greater tool interaction and media playback in demanding broadcast and media applications. The AMD Radeon™ Pro VII workstation graphics card is purpose-built to deliver high-class performance to media professionals within a reasonable price.

Key specifications

'Vega' Architecture	60 Compute Units (3840 Stream Processors)
Memory Size	16GB High-Speed HBM2
PCIe® Interface Support	Gen 3.0 and 4.0 x16 compatible
Memory Bandwidth	Up to 1024 GB/s
Memory Interface	4096-bit HBM2
Single Precision Performance	Up to 13.1 TFLOPs (FP32)
Display Output	(6x) Mini-DisplayPort™ 1.4
Display Output Support (@60Hz)	6 @ 3840x2160 (4K) 3 @ 5120x2880 (5k) 1 @ 7680x4320 (8K)
Video Acceleration[1]	HEVC Encode (up to 4K) HEVC Decode (up to 8K)
Supported APIs	DirectX® 12, OpenGL® 4.6, OpenCL™ 2.0, Vulkan® 1.1, Shader Model 5.1
Max Power Consumption	250 W
Form Factor	4.4" x 10.5" (H x L); Dual Slot
Supported Operating Systems (64-bit)	Microsoft Windows® 10, Linux®

Support for remote working

The AMD Radeon™ Pro VII supports the GPU-accelerated experience of AMD Remote Workstation[3] allowing you to access your physical workstation from virtually anywhere for unhindered productivity, with the remote workstation IP built into AMD Radeon™ Pro Software for Enterprise driver.

amd.com/RadeonProSoftware

AMD RADEON PRO VII

More than a driver

This Radeon Pro VII graphics driver delivers enterprise-grade stability, performance, security features, and innovative features, including high-resolution screen capture, recording, and video streaming.

Screen Image courtesy of Yan Ge (IHDT) created using AMD Radeon™ ProRender for MAXON Cinema 4D™

Peace of mind for demanding situations

AMD Radeon™ Pro graphics cards are built for demanding 24/7 environments; constructed with quality components and tested to exceptional standards. The Radeon™ Pro VII GPU has undergone an extensive certification process to help ensure reliability in software you love. Retail versions of Radeon™ Pro graphics cards are covered by a 3-year limited warranty[5]. For additional updates on certified ISV applications visit:

amd.com/Certified

OVER
1 TB/s
BANDWIDTH FOR MEMORY INTENSIVE WORKLOADS

UP TO
16GB HBM2
MEMORY FOR LARGE MEDIA PROJECTS

SUPPORT FOR
ECC memory protection
HELPING PROTECT AGAINST DATA CORRUPTION

DEDICATED
Encode & decode
VIDEO ACCELERATION[1]

SUPPORT FOR
6x Panels
VIA MINI-DISPLAYPORT™ 1.4

SUPPORT FOR
PCIe® 4.0
OFFERING WORKLOAD ACCELERATION

Features 16GB HBM2 memory, 6x miniDP UHD outputs, PCIe® 4.0 interface support and blazing-fast 1TB/s memory bandwidth.

Why AMD:

AMD is proud to power the graphics behind many world-class workstations and mobile solutions, be at the heart of major games consoles beloved for gameplay and streaming video entertainment, to powering some of the worlds fastest supercomputers for research, to driving business laptop performance. AMD already touches many areas of your life.

amd.com

The secret of larger workloads

Adding a second GPU into your workstation can bring performance benefits, but one major limitation is applications can only utilize the available memory on one of the GPUs. With AMD's Infinity Fabric™ Link[4], the total available graphics memory for compatible applications becomes the sum of interconnected GPUs. For instance, if two Infinity Fabric™ Link connected GPUs each have 16GB of graphics memory, then compatible applications can utilize all 32GB.

[1] HEVC (H.265), H.264, and VP9 acceleration are subject to and not operable without inclusion/installation of compatible HEVC players. GD-81

[2] Learn more at https://www.amd.com/en/technologies/vr-ready-creator.

[3] Learn more at https://www.amd.com/en/technologies/remote-workstation.

[4] GD-169: AMD Infinity Fabric™ Link requires two Radeon Pro VII GPUs, a compatible bridge connector (either a two- or a three-slot bridge connector, both sold separately.), and Radeon Software for Enterprise driver 20.Q2 or later. Compatible software is currently limited to Radeon™ ProRender, but additional application compatibility is expected in future 3rd party software releases and are required to use the combined graphics memory of both cards. GD-169

[5] Learn more at https://www.amd.com/en/support/kb/warranty-information/workstation-graphics.

To learn more about AMD professional graphics visit:
amd.com/RadeonPro

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