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Ready or Not, Here Comes 8K BY BOB KOVACS

HD video= 1920 pixels x 1,080 pixels.

4K video = 3,840 pixels and 2,160 pixels

8K video = 7,680 pixels x 4,320 pixels and each frame is a 32-megapixel image.

8K cameras used in Super Bowl LIII where CBS deployed several 8K cameras in the end zone in what the network called a “highly-constructed engineering solution.”

8K is 2020 Tokyo Olympic -Games and 2020 Paralympic Games in. 32-ir\*e2aoivei codes and transports 30 32-megapixel every second. Mitsuoka listed le of them: sensor The sensor is the single important component in a camera, and it is no exception here. For Ike gami’s 8K cameras, NHK did the heavy lifting in pushing the development of a 33 Megapixel 8K sensor. (The extra one megapixel allows for over-scanning, recaling and image stabilization.) Transmission bandwidth: Extend a 40GBps transmission system.

8K: Delivery Challenges and Industry Readiness Mass deployment is still a ways off

BY THIERRY FAUTIER

Number of Horizontal pixels

Number of vertical pixels

Frame Rate

Codec I 8K (ITU-R UHD-2 7640 4320 120fps, | Main 10 2.1 |\*r I 4K (fTU-RUHD-1 3$ £ 9rps ] Main 10 2.0x- Yes |

HDM1

HDR

Typical Bitrate- 100 Mbps vs 25 Mbps

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