Lect 3 E: MPEG-2 Scalability

B: Briefly discuss how MPEG-2

Scalability can be used in network

with variable bitrate channels

Solution O spatial: the enhancement

layer provides higher spatial resolution

@ Quality: Bits\_enhance.

Temporal: The enhance mon layor facilitates higher frame rate

The MPEG-2 scalabe coding uses

D Layored coding: one basic layer

and one or more enhancement layers

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frasm itted and decoded

to obtain basic video quality

3 Bit streams of base layor are sent first, to give users a fast and basic view of the video followed by anhancement layer to improve quality The encoting and be coding of the enhancement, however, ave dependent on the base layer or the previou en hance non layer For the network with variable bitrate dramads-O When the bandwidth is high Mpta-2 from smill both the lase layer and enhancement @ When the bound width is low ~ only base layer