

CCITT SGXV

Working Party XV/1

Experts Group for ATM Video Coding

(Rapporteur's Group on Part of Q.3/XV)

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SOURCE : JAPAN

TITLE : Demonstration of HDTV Coding by D1 VCR

PURPOSE : Information

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1. Introduction

HDTV coding by TM2 and quality evaluation of the coded pictures have been reported in AVC-365 (MPEG92/584). This time, parts of the picture sequences have been cut out and recorded in D1 tape for demonstration purpose.

2. Demonstration

Areas of 720 pixels by 480 lines are extracted from Hi-Vision digital format. Following sequences are demonstrated by D1 VCR, and each has 60 frames.

- a. Scene A (original)
- b. Scene A (coded at the rate of 30Mbps)
- c. Scene A (coded at the rate of 45Mbps)
- d. Scene A (coded at the rate of 60Mbps)
- e. Scene B (original)
- f. Scene B (coded at the rate of 30Mbps)
- g. Scene B (coded at the rate of 45Mbps)
- h. Scene B (coded at the rate of 60Mbps)

Note: Copyright of the original pictures is held by NHK ENTERPRISES.

The simulation conditions are reviewed bellow;

-picture format:	4:2:0
	Y 1920 pixels by 1024 lines
	Pb,Pr 960 pixels by 512 lines
-structure:	frame
-prediction:	field/frame, N=60, M=1
-rate control:	TM2 step2
-pre or post process:	none