



## **Complete Broadcasting Technology Solutions For You Now and Tomorrow**

### **COURSE AVAILABLE**

- **ANALOG VIDEO TECHNOLOGY COURSE**
- **DIGITAL VIDEO TECHNOLOGY COURSE**
- **MPEG-2 COMPRESSION TECHNOLOGY COURSE**
- **MPEG-4 COMPRESSION TECHNOLOGY COURSE**
- **IPTV TECHNOLOGY COURSE**

### **DIGITAL VIDEO TECHNOLOGY COURSE**

The training course is dedicated to any attendee who expresses interest in learning more about Digital Video. It is a great opportunity for any actors of the TV ecosystem such as TV broadcasters, network operators, terminal manufacturers and system integrators to learn more about this technologies and systems.

**VIDEO EXPERT 24 x 7**

## COURSE AVAILABLE

- ANALOG VIDEO TECHNOLOGY COURSE
- DIGITAL VIDEO TECHNOLOGY COURSE
- MPEG-2 COMPRESSION TECHNOLOGY COURSE
- MPEG-4 COMPRESSION TECHNOLOGY COURSE
- IPTV TECHNOLOGY COURSE

### COURSE OBJECTIVE

This training course aims at providing basic theoretical and practical knowledge on the Digital Video system and standard. It provides a wide overview of market segments and applications that would be addressed with this standard. The course also aims to provide the participants with a good understanding on standard definition, high definition and 3D digital video as well as enhancing the understanding on the standard of digital video and the quality elements of digital video.

### COURSE PRE-REQUISITE

No specific television or broadcast knowledge is required. But general familiarity with technical concepts is assumed. Some knowledge, experience and exposure in analog and digital video will be better.

### COURSE DURATION

The training course usually takes place over 2 days. This could be extended on specific request.

### TRAINER

Training course led by the technical expert who has a few years of working experience in analog video, digital video, audio technologies, MPEG and RF; and has conducted related equipment and technology training programs to a wide range of industries training from broadcast to telecommunications to education to the military. Trainer was trained by the international training consultancy.

### COURSE FORMAT

Classroom explanation and demonstration.

Each delegate completing this course will receive a full set of course note and certificate of attendance.

Seats are limited, please contact us for immediate registrations

Workshop fees inclusive of:

- Printed workshop material
- Certificate of completion

Fees:	RM 2000 per pax
Remarks:	Class starts with minimum of 3 pax

### Register Today

Tekmark Broadcast Sdn Bhd  
B-G-8, Endah Promenade  
No. 5, Jalan 3/149E, Taman Sri Endah  
Sri Petaling, 57000  
Kuala Lumpur  
Tel: +603-9057 8999  
E-mail: [tekmark.kl@tekmarkgroup.com](mailto:tekmark.kl@tekmarkgroup.com)

## COURSE AVAILABLE

- ANALOG VIDEO TECHNOLOGY COURSE
- DIGITAL VIDEO TECHNOLOGY COURSE
- MPEG-2 COMPRESSION TECHNOLOGY COURSE
- MPEG-4 COMPRESSION TECHNOLOGY COURSE
- IPTV TECHNOLOGY COURSE

## COURSE CONTENT

### Digital video introduction and standard

- International standard
- Reference Documents

### Signal creation

- Analog to digital conversion
- Sampling structure
- Quantization
- Serial conversion

### Ancillary Data

- AES/EBU formats
- Data, block and frame structure
- Embedded Audio
- Non-embedded audio

### Eye and Jitter

- Eye construction
- Eye measurement
- Jitter measurement

### Video Error

- Types of error
- Error detection and monitoring

### Video Gamut and Monitoring

- RGB Gamut
- YPbPr Gamut
- Composite Gamut
- Waveform and Vectorscope
- Video monitoring session

### Introduction to 3D and 4K Video

- 3D Video Basics
- Full HD
  - Basic understanding on current HD Video signal
- Beyond Full HD
  - What will be the next format of broadcast video
- Sample 3D TV Systems

### Summary

**COMPANY DETAILS**

Company Name	
Name	
Company Address	
Telephone Number	
Email	
Mobile	

**TRAINING DETAILS**

Please Tick	Description	Course Code	Date
	Analog Video Technology Course	TMB-AVT-001	
	Digital Video Technology Course	TMB-DGV-001	
	MPEG-2 Compression Technology Course	TMB-MPEG2-001	
	MPEG-4 Compression Technology Course	TMB-MPEG4-001	
	IPTV Technology Course	TMB-IPTV-001	

**DETAIL OF PARTICIPANTS**

No	Name	Position	Contact Number	Email	RM

**TERMS AND CONDITIONS**

1. Course seat will be confirmed upon receipt of company purchase order/registration form and full payment before course commencement
2. Cancellation must be made no later than five (5) working days prior to the scheduled date. Refund will NOT be entertained for NO SHOW cases
3. Attendee substitutions are permitted. Please inform us of any changes least 5 working days prior to the start of the course
4. Training dates and cost are subject to change without prior notice
5. Payment can be made via cheque. Cheque(s) made payable to: Tekmark Broadcast Sdn Bhd

\_\_\_\_\_  
Authorized Signature

Name:

Position:

\_\_\_\_\_  
Company Stamp