

**13th International Association for Sport Information World  
Congress  
11-13 March, 2009 - Canberra, Australia**

**Digital Video Applications in High Performance Sport.**

**Claire Short**

NSIC Audio Visual Services Manager,  
Australian Sports Commission



Australian Government  
Australian Sports Commission



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# 13th IASI World Congress

11-13 March, 2009 Canberra, Australia

*Building and sustaining sport information communities -  
through connectivity, collaboration and sharing*



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# Digital Video Applications in High Performance Sport

Claire Short  
Audio Visual Services Manager  
National Sport Information Centre







# Why Digital???

- **Fast**
- **Quality**
- **Motivating**
  - **Performance Analysis**
    - Pre Competition
    - During Competition
    - Post Competition
  - **Communication**
    - Between Athlete, Other Coaches and Support Staff
  - **Historical Record**





# In The Field: Capturing

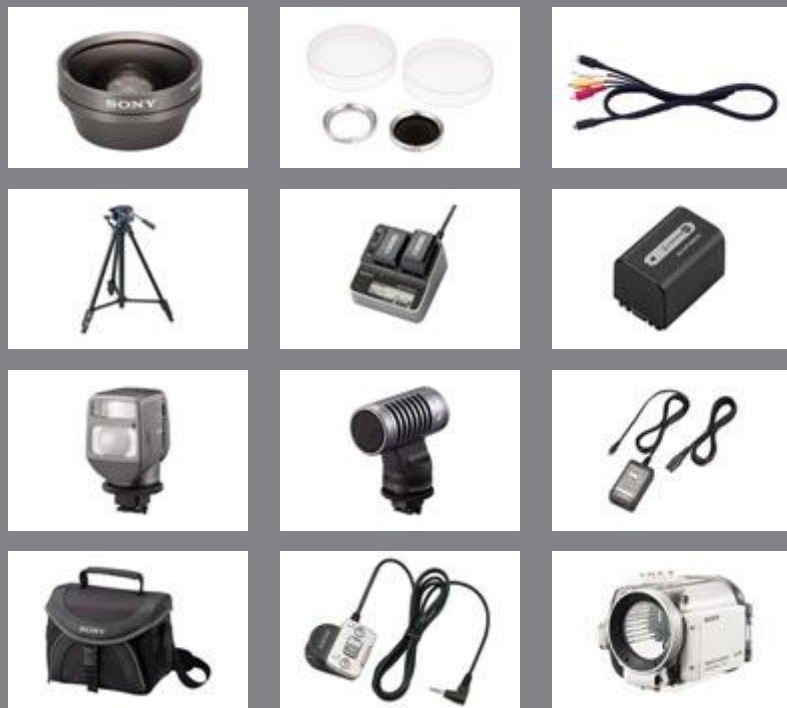
## Camcorders

- Mini DV (less then 5 years left)
- DV Cam (less then 5 years left)
- DVD
- HDV
- HDD
- Hybrid
- Memory Card





# In The Field: Accessories



## Things to Remember!

- Long Life Battery
- External Battery Charger
- Tripod
- Bag
- Wide Angle Lens
- Zoom Lens
- Filters
- Water Proof Housing/Jacket
- Recording Media



# In The Field: Storing

- DVD
- HDD
- Hard-drive on Laptop via Performance Analysis Program
- External Hard-drive

## Things to Remember!

- Hard-Drive Capacity?
- Quality?







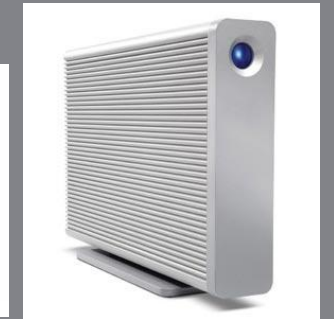
# In The Office: Capturing

## Recorders

- DV
- DV Cam
- DVD
- Blu Ray
- HDD

## Things to Remember!

- Digital Tuner?
- Quality?
- Connections?
- Space?





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# Viewing: Group/Team

## Data Projectors

- DLP
- LCD



## Screens

- Plasma
- LCD
- Smart Board





# Viewing: Individual



## Portable

- Mini DV Walkman
- DVD Walkman
- iPod
- Mobile Phones

## Things to Remember!

- Codec?
- Quality?
- Brightness?
- Connections?
- Software?



# Editing/Dubbing

## Linear

- Mini DV to DVD
- VHS to DVD
- DVD to DVD
- etc.....



## Non Linear

- iMovie/Final Cut Pro/Express
- Adobe Premier
- SportsCode
- Dartfish
- Silicon Coach
- Swinger





# Storing/Archiving

- Digital Tape
- DVD
- Blu Ray
- Hard-drive
- **Digital Asset Management**  
– **SPIDAR**







# What Now???

- Is it easy for Coaches and Athletes to operate?
- Can the system be upgraded?
- Who maintains the equipment?
- Who will provide training?

## Outside the Office

- Portable?
- Reliable?
- Power?
- What does the coach want to achieve?
- Who can they call for assistance?





# The Digital Future???

- Gadgets will be smaller
- Screens will be bigger
- Hard-drives will be bigger and smaller
- Everything will be Faster





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